

# C20orf31 Rabbit pAb

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Catalog # AP55805

## Product Information

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| <b>Application</b>             | WB                                                                                                                                                                                                                                                                                                                           |
| <b>Primary Accession</b>       | <a href="#">Q9BV94</a>                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity</b>              | Rat, Human                                                                                                                                                                                                                                                                                                                   |
| <b>Predicted</b>               | Pig, Dog, Mouse, Rabbit, Chicken, Horse, Sheep                                                                                                                                                                                                                                                                               |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                   |
| <b>Calculated MW</b>           | 64753                                                                                                                                                                                                                                                                                                                        |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human C20orf31                                                                                                                                                                                                                                                                 |
| <b>Epitope Specificity</b>     | 101-200/578                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                               |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                            |
| <b>SUBCELLULAR LOCATION</b>    | Secreted. Endoplasmic reticulum lumen.                                                                                                                                                                                                                                                                                       |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                    |
| <b>Background Descriptions</b> | In the endoplasmic reticulum (ER), misfolded proteins are retrotranslocated to the cytosol and degraded by the proteasome in a process known as ER-associated degradation (ERAD). EDEM2 belongs to a family of proteins involved in ERAD of glycoproteins (Mast et al., 2005 [PubMed 15537790]).[supplied by OMIM, Mar 2008] |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 55741                                                                                                                                                                                           |
| <b>Other Names</b> | ER degradation-enhancing alpha-mannosidase-like protein 2, EDEM2, C20orf31, C20orf49                                                                                                            |
| <b>Dilution</b>    | WB=1:500-2000                                                                                                                                                                                   |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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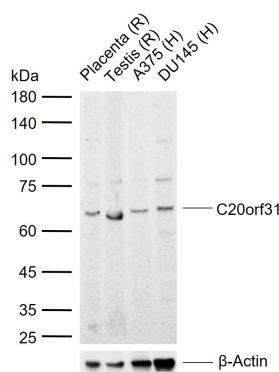
|             |       |
|-------------|-------|
| <b>Name</b> | EDEM2 |
|-------------|-------|

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>          | C20orf31, C20orf49                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Function</b>          | Involved in the endoplasmic reticulum-associated degradation (ERAD) pathway that targets misfolded glycoproteins for degradation in an N-glycan-dependent manner (PubMed: <a href="#">15537790</a> , PubMed: <a href="#">25092655</a> ). May initiate ERAD by promoting the first mannose trimming step of ERAD substrates, from Man9GlcNAc2 to Man8GlcNAc2 (PubMed: <a href="#">25092655</a> ). Seems to recognize and bind to exposed hydrophobic regions in target proteins (By similarity). |
| <b>Cellular Location</b> | Endoplasmic reticulum lumen                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tissue Location</b>   | Expressed ubiquitously in all tissues tested with slightly higher levels detected in small intestine and peripheral blood leukocytes and weakest levels in brain and skeletal muscle                                                                                                                                                                                                                                                                                                            |

## Background

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## Images



### Sample:

Lane 1: Rat Placenta tissue lysates

Lane 2: Rat Testis tissue lysates

Lane 3: Human A375 cell lysates

Lane 4: Human DU145 cell lysates

Primary: Anti-C20orf31 (AP55805) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62 kDa

Observed band size: 65 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.