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# C4orf20 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14078

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q9NUQ7 |
| **Other Accession** | NM_018359, NP_060829 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 53261 |

## Additional Information

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| **Gene ID** | 55325 |
| **Alias Symbol** | FLJ11200, UFSP2, C4orf20 |
| **Other Names** | Ufm1-specific protease 2, UfSP2, 3.4.22.-, UFSP2, C4orf20 |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-C4orf20 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | C4orf20 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

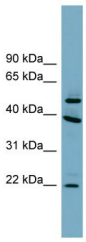
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| **Name** | UFSP2 {ECO:0000303\|PubMed:26428751, ECO:0000312\|HGNC:HGNC:25640} |
| **Function** | Thiol-dependent isopeptidase that specifically cleaves UFM1, a ubiquitin-like modifier protein, from conjugated proteins, such as CD274/PD-L1, CYB5R3, DDRGK1, MRE11, RPL26/uL24, TRIP4 and RPL26/uL24 (PubMed:25219498, PubMed:27351204, PubMed:27926783, PubMed:30783677, PubMed:31595041, PubMed:32160526, PubMed:33473208, PubMed:35394863, PubMed:35926457, PubMed:36543799, PubMed:36893266, PubMed:37795761, PubMed:38383785). While it is also able to mediate the processing of UFM1 precursors, a prerequisite for conjugation reactions, UFSP2 mainly acts as a protein deUFMylase that mediates deconjugation of UFM1 from target proteins (PubMed:27926783). |

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| | Mediates deUFMylation of RPL26/uL24, a critical step to release the UFM1 ribosome E3 ligase (UREL) complex during the recycling of 60S ribosome subunits from the endoplasmic reticulum (PubMed:38383785). Catalyzes deUFMylation of TRIP4, regulating intracellular nuclear receptors transactivation and thereby regulate cell proliferation and differentiation (PubMed:25219498). |
| **Cellular Location** | Endoplasmic reticulum. Cytoplasm {ECO:0000250\|UniProtKB:Q99K23}. Nucleus {ECO:0000250\|UniProtKB:Q99K23} |
| **Tissue Location** | Expressed in brain.. |

## References


Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).
Yoo H.M.,et al.Mol. Cell 56:261-274(2014).


## Images




WB Suggested Anti-C4orf20 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human brain


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