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# FAM134A Rabbit pAb

FAM134A Rabbit pAb
Catalog # AP55693

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q8NC44 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 57830 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human FAM134A |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SUBCELLULAR LOCATION** | Membrane; Multipass membrane protein. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The second largest human chromosome, 2 consists of 237 million bases encoding over 1,400 genes and making up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr鰉 syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes. The FAM134A gene product has been provisionally designated FAM134A pending further characterization. |

## Additional Information

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| **Gene ID** | 79137 |
| **Other Names** | Reticulophagy regulator 2 {ECO:0000312\|HGNC:HGNC:28450}, RETREG2 (HGNC:28450) |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | 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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| **Name** | RETREG2 ( HGNC:28450) |
| **Function** | Endoplasmic reticulum (ER)-anchored autophagy regulator which exists in an inactive state under basal conditions but is activated following cellular stress (PubMed:34338405). When activated, induces ER fragmentation and mediates ER delivery into lysosomes through sequestration into autophagosomes via interaction with ATG8 family proteins (PubMed:34338405). Required for collagen quality control in a LIR motif-independent manner (By similarity). |
| **Cellular Location** | Endoplasmic reticulum membrane; Multi-pass membrane protein |

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