

SLC35F2 Rabbit pAb

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Catalog # AP57955

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8IXU6
Predicted	Rat, Pig, Dog, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41212
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC35F2
Epitope Specificity	131-230/374
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Cell 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	SLC35F2 (Solute Carrier Family 35 Member F2) is a Protein Coding gene. An important paralog of this gene is SLC35F1.

Additional Information

Gene ID	54733
Other Names	Queueine/queuosine transporter SLC35F2, Solute carrier family 35 member F2 {ECO:0000312 HGNC:HGNC:23615}, SLC35F2 (HGNC:23615)
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

Name	SLC35F2 (HGNC:23615)
Function	High affinity plasma membrane importer of the nucleobase queueine (q) and its nucleoside queuosine (Q), two bacterially derived micronutrients acquired from the gut microbiome and diet. Following cellular uptake, queuosine is

incorporated at the wobble base (position 34) of tRNAs that decode histidine, tyrosine, aspartate, and asparagine codons, which is important for efficient translation. Also involved in choline transport, although the underlying transport mechanism remains to be elucidated (PubMed:[40972734](#)).

Cellular Location

Cell membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein

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