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MTCH1 Rabbit pAb

Catalog # AP99207

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NZJ7
Other Accession	Q9NZJ7
Reactivity	Mouse
Predicted	Rat, Pig, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41544
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MTCH1
Epitope Specificity	1-100/389
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the mitochondrial carrier family. Contains 2 Solcar repeats.
SUBUNIT	Interacts with PSEN1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the mitochondrial carrier family. The encoded protein is localized to the mitochondrion inner membrane and induces apoptosis independent of the proapoptotic proteins Bax and Bak. Pseudogenes on chromosomes 6 and 11 have been identified for this gene. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Oct 2012]

Additional Information

Gene ID	23787
Other Names	CGI-64; PIG60; PSAP; SLC25A49; MTCH1_HUMAN; MTCH1; Presenilin-associated protein; mitochondrial carrier 1; mitochondrial carrier homolog 1 (C. elegans); solute carrier family 25, member 49
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	MTCH1 {ECO:0000303|PubMed:36264797, ECO:0000312|HGNC:HGNC:17586}
Function	Protein insertase that mediates insertion of transmembrane proteins into the mitochondrial outer membrane (PubMed:36264797). Catalyzes insertion of proteins with alpha-helical transmembrane regions, such as signal-anchored, tail-anchored and multi-pass membrane proteins (By similarity). Does not mediate insertion of beta-barrel transmembrane proteins (By similarity). May play a role in apoptosis (PubMed:12377771).
Cellular Location	Mitochondrion outer membrane; Multi-pass membrane protein
Tissue Location	Widely expressed with a predominant expression in brain.

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