

ATRNL1 Rabbit pAb

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Catalog # AP54527

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5V63
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	152639
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ATRNL1
Epitope Specificity	501-600/1379
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; Single-pass type I 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	ATRNL1 is a 1,379 amino acid single-pass type I membrane protein that may play a role in melanocortin signaling pathways that regulate energy homeostasis. The ATRNL1 protein contains a C-type lectin domain, a CUB domain, two EGF-like domains, six Kelch repeats, two laminin EGF-like domains and five PSI domains. ATRNL1 interacts with MC4-R in several regions known to be important in the regulation of energy homeostasis by melanocortins, such as the paraventricular nucleus of hypothalamus and the dorsal motor nucleus of the vagus. The ATRNL1 gene is conserved in dog, cow, mouse, rat, chicken, zebrafish and C. elegans, exists as two alternatively spliced isoforms and maps to human chromosome 10q25.3. Strong evidence of linkage to late-onset Alzheimer disease (LOAD) is linked to chromosome 10, which implicates a wide region and at least one disease-susceptibility locus.

Additional Information

Gene ID	26033
Other Names	Attractin-like protein 1, ATRNL1, KIAA0534
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	ATRNL1
Synonyms	KIAA0534
Function	May play a role in melanocortin signaling pathways that regulate energy homeostasis.
Cellular Location	Membrane; Single-pass type I membrane protein

Background

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