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Rabbit Anti-ATRNL1/FITC Conjugated antibody

SL11504R-FITC

Product Name:	Anti-ATRNL1/FITC
Chinese Name:	FITC标记的ATRNL1蛋白抗体
Alias:	ATRN1_HUMAN; ATRNL1; Attractin-like protein 1; KIAA0534.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ICC=1:50-200IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	147kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ATRNL1
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
Product Detail:	**background:** 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. **Function:** May play a role in melanocortin signaling pathways that regulate energy homeostasis. **Subunit:** Interacts with MC4R **Subcellular Location:** Membrane; Single-pass type I membrane protein **Similarity:** Contains 1 C-type lectin domain. Contains 1 CUB domain. Contains 2 EGF-like domains. Contains 6 Kelch repeats. Contains 2 laminin EGF-like domains. Contains 5 PSI domains. **Database links:** UniProtKB/Swiss-Prot: Q5VV63.2 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.