



## Rabbit Anti-Attractin antibody

SL12551R

<b>Product Name:</b>	Attractin
<b>Chinese Name:</b>	Attractin蛋白抗体
<b>Alias:</b>	ATRN; ATRN_HUMAN; attractin 2; Attractin; attractin-2; DPPT L; DPPT-L; KIAA0548; Mahogany homolog; mahogany protein; MGCA.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	150kDa
<b>Cellular localization:</b>	The cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Attractin:1201-1300/1429<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Mahogany (MG), originally identified as a protein involved in pigmentation, acts in conjunction with melanocortin receptors to suppress diet-induced obesity. Mahogany contains a single transmembrane domain, and it is expressed in a broad range of tissues, including the hypothalamus and pigment cells. Mutations within the mahogany gene were shown to rescue agouti-lethal-yellow mutant mice from obesity. The extracellular

domain of mouse mahogany is the ortholog of the human protein attractin. Attractin (also designated DPPT-L) is a human serum glycoprotein and is a member of the CUB family of cell adhesion and guidance proteins. Attractin is expressed on activated T cells and is released from the cells 48 to 72 hours after activation.

**Function:**

Involved in the initial immune cell clustering during inflammatory response and may regulate chemotactic activity of chemokines. May play a role in melanocortin signaling pathways that regulate energy homeostasis and hair color. Low-affinity receptor for agouti (By similarity). Has a critical role in normal myelination in the central nervous system.

**Subunit:**

Monomer and homotrimer.

**Subcellular Location:**

Secreted and Cell membrane.

**Tissue Specificity:**

Isoform 2 is detected in plasma (at protein level). Expressed and secreted by activated T lymphocytes. Expressed at low to moderate levels in peripheral blood leukocytes, spleen, lymph node, tonsil, bone marrow and fetal liver. At very low levels found in thymus. Isoform 2 is the major isoform in peripheral blood leukocytes.

**Post-translational modifications:**

Heavily glycosylated.

**Similarity:**

Contains 1 C-type lectin domain.  
Contains 1 CUB domain.  
Contains 1 EGF-like domain.  
Contains 6 Kelch repeats.  
Contains 2 laminin EGF-like domains.  
Contains 4 PSI domains.

**SWISS:**

O75882

**Gene ID:**

8455

**Database links:**

[Entrez Gene: 8455](#)Human

[Entrez Gene: 11990](#)Mouse

[Omim: 603130](#)Human

[SwissProt: O75882](#)Human

[SwissProt: Q9WU60](#)Mouse

[Unigene: 276252](#)Human

[Unigene: 119936](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

attractin在黑色素沉着、调节运动行为和基础代谢、中枢神经的形成及功能、协调T细胞与巨噬细胞之间的反应等方面都发挥着作用。

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