

Rabbit anti-Human ATRN Polyclonal Antibody | anti-ATRN antibody

ATRN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323514	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

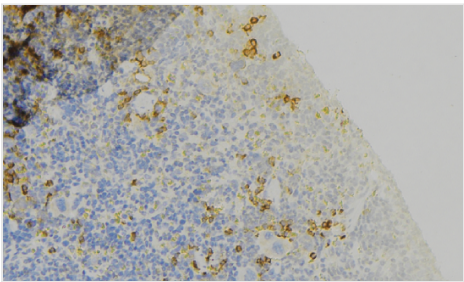
PRODUCT SYNONYMS

ATRN; Polyclonal Antibody; ATRN Antibody; ATRN_HUMAN; attractin 2; Attractin; DPPT L; DPPT-L; KIAA0548; Mahogany homolog; mahogany protein; Mahogany; mouse; homolog of; MGCA; anti-ATRN antibody

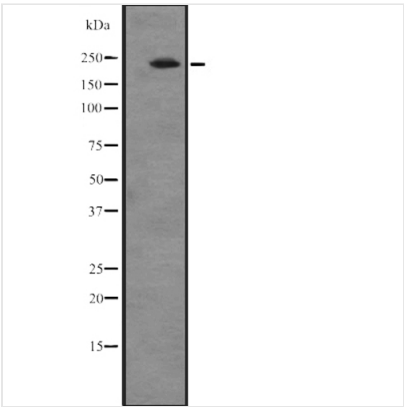
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ATRN antibody detects endogenous levels of total ATRN
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1156
Applicable Applications for anti-ATRN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
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.
Predicted Cross Reactivity	Pig, Bovine, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)
AAA323514 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of ATRN expression in A549 cell line lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATRN antibody	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 (By similarity). Subunit Structure: Monomer and homotrimer. Post-translational Modifications: Heavily glycosylated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333440461
NCBI GeneID	8455
NCBI Accession #	NP_001193976.1
NCBI GenBank Nucleotide #	NM_001207047.2
UniProt Accession #	O75882; O60295; O95414; Q3MIT3; Q5TDA2; Q5TDA4; Q5VYW3; Q9NTQ3; Q9NTQ4; Q9NU01; Q9NZ57; A8KAE5
Molecular Weight	Observed: 159 kDa Predicted: 159 kDa
NCBI Official Full Name	attractin isoform 4
NCBI Official Synonym Full Names	attractin
NCBI Official Symbol	ATRN
NCBI Official Synonym Symbols	MGCA; DPPT-L
NCBI Protein Information	attractin
UniProt Protein Name	Attractin
UniProt Gene Name	ATRN
UniProt Synonym Gene Names	KIAA0548; MGCA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.