

Rabbit Siglec 7 Polyclonal Antibody | anti-SIGLEC7 antibody

Siglec 7 Antibody

CATALOG # AAA31218	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA
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PRODUCT SYNONYMS

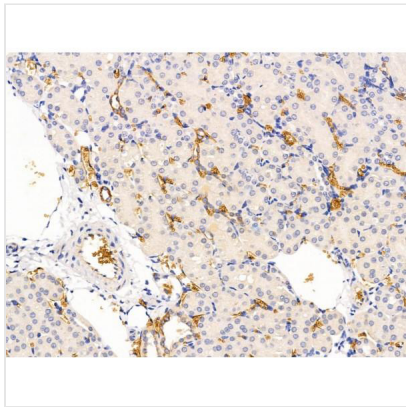
Siglec 7; Polyclonal Antibody; Siglec 7 Antibody; Adhesion inhibitory receptor molecule 1; siglec 7; AIRM 1; AIRM-1; AIRM1; CD328; CD328 antigen; CDw328; D siglec; D-siglec; HLDA 8; p75; p75/AIRM1; QA79; QA79 membrane protein; Sialic acid binding Ig like lectin 7; Sialic acid binding immunoglobulin like lectin 7; Sialic acid-binding Ig-like lectin 7; SIGL7_HUMAN; Siglec-7; SIGLEC19P; SIGLEC7; SIGLECP2; anti-SIGLEC7 antibody

PRODUCT SPECIFICATIONS

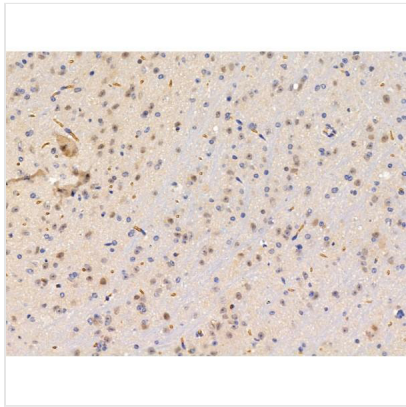
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Siglec 7 Antibody detects endogenous levels of total Siglec 7.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	467
Applicable Applications for anti-SIGLEC7 antibody	ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Siglec 7, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



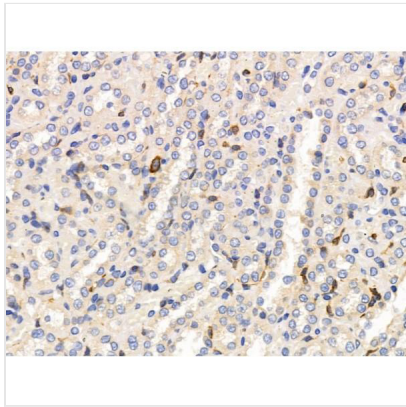
IHC (Immunohistochemistry-Paraffin)
AAA31218 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



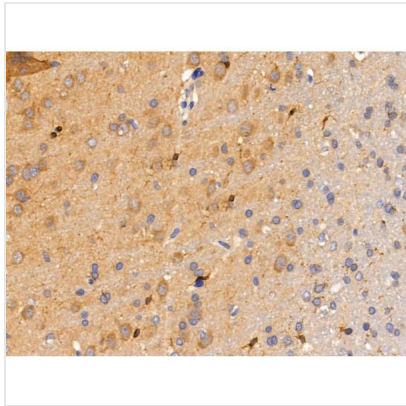
IHC (Immunohistochemistry-Paraffin)
AAA31218 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



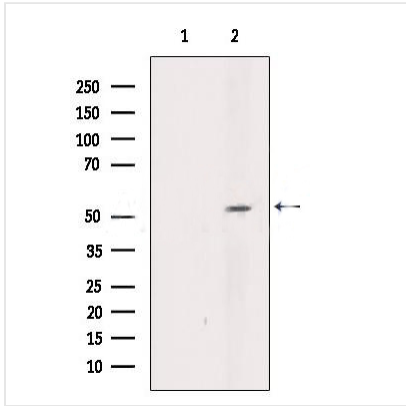
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WB (Western Blot)
Western blot analysis of extracts from Pc12, using Siglec 7 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SIGLEC7 antibody	Function: Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- and alpha-2,6-linked sialic acid. Also binds disialogangliosides (disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraosylceramide). The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Mediates inhibition of natural killer cells cytotoxicity. May play a role in hemopoiesis. Inhibits differentiation of CD34+ cell precursors towards myelomonocytic cell lineage and proliferation of leukemic myeloid cells (in vitro). Post Translational Modifications: Tyrosine phosphorylated. Subcellular Location: Membrane>Single-pass type I membrane protein. Tissue Specificity: Predominantly expressed by resting and activated natural killer cells and at lower levels by granulocytes and monocytes. High expression found in placenta, liver, lung, spleen, and peripheral blood leukocytes. Subunit Structure: Interacts with PTPN6/SHP-1 upon phosphorylation. Similarity: Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25009269
NCBI GeneID	27036
UniProt Accession #	Q9Y286
Molecular Weight	Observed Molecular Weight: (Observed)51kD. Predicted Molecular Weight: (Calculated)51kDa.
NCBI Official Full Name	Sialic acid-binding Ig-like lectin 7
NCBI Official Synonym Full Names	sialic acid binding Ig like lectin 7
NCBI Official Symbol	SIGLEC7
NCBI Official Synonym Symbols	p75; QA79; AIRM1; CD328; CDw328; D-siglec; SIGLEC-7; SIGLECP2; SIGLEC19P; p75/AIRM1
NCBI Protein Information	sialic acid-binding Ig-like lectin 7
UniProt Protein Name	Sialic acid-binding Ig-like lectin 7
UniProt Gene Name	SIGLEC7
UniProt Synonym Gene Names	AIRM1; Siglec-7; AIRM-1
UniProt Entry Name	SIGL7_HUMAN

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.