Rabbit anti-Human SIGLEC7 (D-siglec) Polyclonal Antibody | anti-SIGLEC7 antibody

SIGLEC7 (D-siglec) Antibody (C-term H422)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285330	**Rabbit**	**Human**	**Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

SIGLEC7 (D-siglec); Polyclonal Antibody; SIGLEC7 (D-siglec) Antibody (C-term H422); Sialic acid-binding Ig-like lectin 7; Siglec-7; Adhesion inhibitory receptor molecule 1; AIRM-1; CDw328; D-siglec; QA79 membrane protein; p75; CD328; SIGLEC7; AIRM1; anti-SIGLEC7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SIGLEC7 (D-siglec) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 407-438 amino acids from the C-terminal region of human SIGLEC7 (D-siglec).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	407-438
Sequence Length	145
Applicable Applications for anti-SIGLEC7 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

WB (Western Blot)
The anti-DSiglec C-term H422 Pab is used in Western blot to detect DSiglec in Jurkat cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-SIGLEC7 antibody	SIGLECs are cell surface proteins of the Ig superfamily. Most SIGLECs have 1 or more cytoplasmic immune receptor tyrosine-based inhibitory motifs, or ITIMs. A large subgroup of SIGLECs share high homology with SIGLEC3 (CD33) and are localized to 19q13.4. The cDNA for the SLG gene encodes 2 variants, SLG-long (SLGL) and SLG-short (SLGS). The 595-amino acid SLGL protein contains a signal peptide and 2 V-set N-terminal Ig-like domains. The 477-amino acid SLGS protein has a weak signal sequence and, like most SIGLEC3-like SIGLECs, has only 1 V-set N-terminal Ig-like domain. Both variants contain 2 C2-set N-terminal Ig-like domains, a transmembrane domain, and a cytoplasmic tail with a putative ITIM and a putative SLAM-like tyrosine-based motif. The conserved arginine residue thought to be essential for sialic acid binding in other SIGLECs is replaced by a glutamine in SLGS and by a cysteine in SLGL. RT-PCR analysis detected high expression of both variants in spleen and small intestine, and SLGS was highly expressed in adrenal gland and SLGL was highly expressed in bone marrow.
Product Categories/Family for anti-SIGLEC7 antibody	Cardiovascular; Immunology; Neuroscience; Signal Transduction
References	Nicoll, G., et al., Eur. J. Immunol. 33(6):1642-1648 (2003). Alphey, M.S., et al., J. Biol. Chem. 278(5):3372-3377 (2003). Angata, T., et al., Glycobiology 10(4):431-438 (2000). Falco, M., et al., J. Exp. Med. 190(6):793-802 (1999). Nicoll, G., et al., J. Biol. Chem. 274(48):34089-34095 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	469469047
NCBI GeneID	27036
NCBI Accession #	NP_001264130.1; NP_055200.1; NP_057627.2
NCBI GenBank Nucleotide #	NM_001277201.1
UniProt Accession #	Q9Y286; Q9NZQ1; Q9UJ86; Q9UJ87; Q9Y502
Molecular Weight	51143
NCBI Official Full Name	sialic acid-binding Ig-like lectin 7 isoform 3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/siglec7-d-siglec-antibody-immunohistochemistry-western-blot-elisa/285330