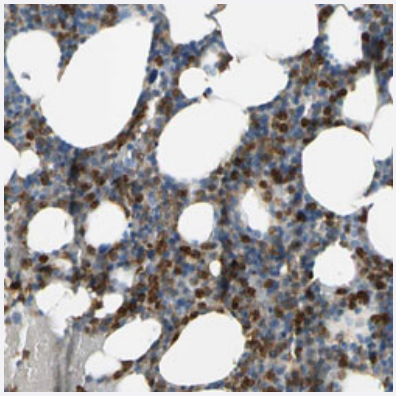
SIGLEC5 polyclonal antibody

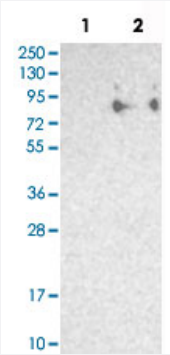
Catalog # PAB31413 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bone marrow with SIGLEC5 polyclonal antibody (Cat # PAB31413) shows strong cytoplasmic positivity in subsets of bone marrow poietic cells.



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with SIGLEC5 polyclonal antibody (Cat # PAB31413).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human SIGLEC5.
Immunogen	Recombinant protein corresponding to human SIGLEC5.
Sequence	KARRKQAAGRPEKMDDEDPIMGTITSGSRKKPWPDSAGDQASPPGDAPPLEEQKELHYASLSF SEMKSREPKDQEAPSTTEYSEIKTSK
Host	Rabbit
Reactivity	Human

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Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — SIGLEC5

Entrez GeneID	8778
Protein Accession#	O15389
Gene Name	SIGLEC5
Gene Alias	CD170, CD33L2, OB-BP2, OBBP2, SIGLEC-5
Gene Description	sialic acid binding Ig-like lectin 5
Omim ID	604200
Gene Ontology	Hyperlink

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Gene Summary	The sialic acid-binding immunoglobulin-like lectins (SIGLECs), such as SIGLEC5, are a subgroup of the immunoglobulin (Ig) superfamily that mediate protein-carbohydrate interactions. They specif ically interact with sialic acids in glycoproteins and glycolipids, with each SIGLEC having a particu lar preference for both the nature of the sialic acid and its glycosidic linkage to adjacent sugars. SI GLECs have similar structures, including extracellular Ig-like domains composed of an N-terminal V-set domain followed by varying numbers of C2-set domains. It appears that all SIGLECs have a n unusual arrangement of conserved cysteine residues in the V-set and adjacent C2-set domains. Most SIGLECs are expressed uniquely within the hematopoietic system (Cornish et al., 1998 [Pu bMed 9731071]).[supplied by OMIM
Other Designations	CD33 antigen-like 2|OB binding protein-2|sialic acid-binding immunoglobulin-like lectin 5

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