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SIGLEC5 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16649a

Specification

SIGLEC5 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O15389
Other Accession	Q08ET2, NP_003821.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**60715**
Antigen Region	**104-132**

SIGLEC5 Antibody (N-term) - Additional Information

Gene ID 8778

Other Names
Sialic acid-binding Ig-like lectin 5, Siglec-5, CD33 antigen-like 2, Obesity-binding protein 2, OB-BP2, OB-binding protein 2, CD170, SIGLEC5, CD33L2, OBBP2

Target/Specificity
This SIGLEC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-132 amino acids from the N-terminal region of human SIGLEC5.

Dilution
WB~~1:1000

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SIGLEC5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SIGLEC5 Antibody (N-term) - Protein Information

Name SIGLEC5

Synonyms CD33L2, OBBP2

Function Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.

Cellular Location
Membrane; Single-pass type I membrane protein.

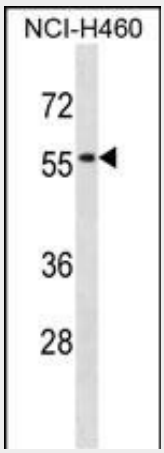
Tissue Location
Expressed by monocytic/myeloid lineage cells. Found at high levels in peripheral blood leukocytes, spleen, bone marrow and at lower levels in lymph node, lung, appendix, placenta, pancreas and thymus. Expressed by monocytes and neutrophils but absent from leukemic cell lines representing early stages of myelomonocytic differentiation

SIGLEC5 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SIGLEC5 Antibody (N-term) - Images



SIGLEC5 Antibody (N-term) (Cat. #AP16649a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the SIGLEC5 antibody detected the SIGLEC5 protein (arrow).

SIGLEC5 Antibody (N-term) - Background

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 specifically interact with sialic acids in glycoproteins and glycolipids, with each SIGLEC having a particular preference for both the nature of the sialic acid and its glycosidic linkage to adjacent sugars. SIGLECs 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 an 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 [PubMed 9731071]).

SIGLEC5 Antibody (N-term) - References

Soto, P.C., et al. J. Immunol. 184(8):4185-4195(2010)
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Carlin, A.F., et al. J. Exp. Med. 206(8):1691-1699(2009)
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