

SIGLEC5 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1623a

Product Information

Application	WB, IHC-P, E
Primary Accession	O15389
Reactivity	Human, Mouse
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2428
Calculated MW	60715
Antigen Region	8-39

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 8-39 amino acids from the N-terminal region of human SIGLEC5.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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

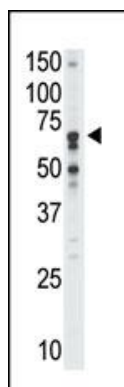
Background

SIGLEC5 is a putative adhesion molecule that mediates sialic-acid dependent binding to cells. This protein binds equally to alpha2,3-linked and alpha2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. This molecule is expressed by monocytic/myeloid lineage cells. SIGLEC5 is found at high levels in peripheral blood leukocytes, spleen, bone marrow and at lower levels in lymph node, lung, appendix, placenta, pancreas and thymus. It is expressed by monocytes and neutrophils but absent from leukemic cell lines representing early stages of myelomonocytic differentiation.

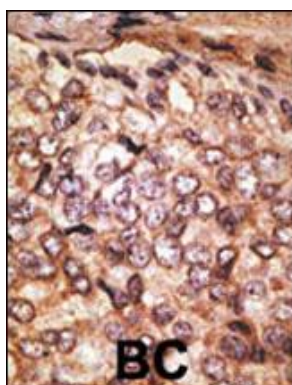
References

Erickson-Miller, C.L., et al., Exp. Hematol. 31(5):382-388 (2003).
 Patel, N., et al., J. Biol. Chem. 274(32):22729-22738 (1999).
 Cornish, A.L., et al., Blood 92(6):2123-2132 (1998).
 Kim, H.S., Cytogenet. Cell Genet. 84 (1-2), 96 (1999).

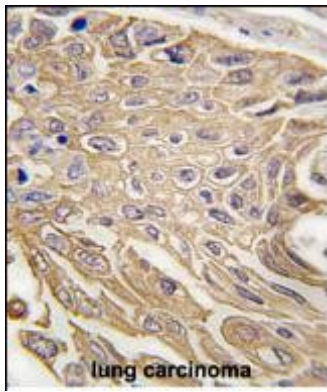
Images



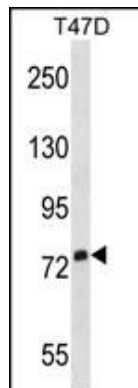
The anti-Siglec5 N-term Pab (Cat. #AP1623a) is used in Western blot to detect Siglec5 in mouse liver tissue lysate.



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



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with SIGLEC5 Antibody (N-term) (Cat.#AP1623a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



SIGLEC5 Antibody (S23) (Cat. #AP1623a) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the SIGLEC5 antibody detected the SIGLEC5 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.