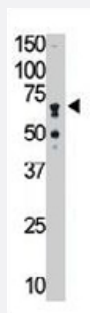


SIGLEC5 polyclonal antibody

Catalog # PAB3634

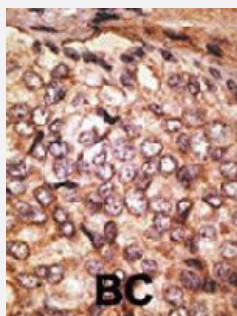
Size 400 uL

Applications



Western Blot (Tissue lysate)

The SIGLEC5 polyclonal antibody (Cat # PAB3634) is used in Western blot to detect SIGLEC5 in mouse liver tissue lysate.



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with SIGLEC5 polyclonal antibody (Cat # PAB3634), 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SIGLEC5.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human SIGLEC5.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The SIGLEC5 polyclonal antibody (Cat # PAB3634) is used in Western blot to detect SIGLEC5 in mouse liver tissue lysate.

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Gene Info — SIGLEC5

Entrez GeneID	8778
Protein Accession#	AAD50978
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

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 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]).[supplied by OMIM]

Other Designations

CD33 antigen-like 2|OB binding protein-2|sialic acid-binding immunoglobulin-like lectin 5

Publication Reference

- [Characterization of Siglec-5 \(CD170\) expression and functional activity of anti-Siglec-5 antibodies on human phagocytes.](#)

Erickson-Miller CL, Freeman SD, Hopson CB, D'Alessio KJ, Fischer EI, Kikly KK, Abrahamson JA, Holmes SD, King AG. Experimental Hematology 2003 May; 31(5):382.

Application: Flow Cyt, Func, Human, Blood, Cell lines, Marrow, Monocytes, Neutrophils, Phagocytes

- [OB-BP1/Siglec-6. a leptin- and sialic acid-binding protein of the immunoglobulin superfamily.](#)

Patel N, Brinkman-Van der Linden EC, Altmann SW, Gish K, Balasubramanian S, Timans JC, Peterson D, Bell MP, Bazan JF, Varki A, Kastelein RA.

The Journal of Biological Chemistry 1999 Aug; 274(32):22729.

- [Characterization of siglec-5, a novel glycoprotein expressed on myeloid cells related to CD33.](#)

Cornish AL, Freeman S, Forbes G, Ni J, Zhang M, Cepeda M, Gentz R, Augustus M, Carter KC, Crocker PR. Blood 1998 Sep; 92(6):2123.

Application: Flow Cyt, WB-Ce, Human, Monkey, COS-1, HL-60, K-562, KG, KG1A, THP-1, U937 cells, Lymphocytes, Monocytes, Neutrophils