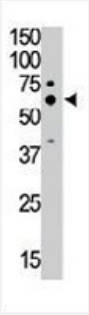
SIGLEC5 polyclonal antibody

Catalog # PAB3635 Size 400 uL

Applications



Western Blot (Tissue lysate)

The SIGLEC5 polyclonal antibody (Cat # PAB3635) is used in Western blot to detect SIGLEC5 in mouse liver tissue lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SIGLEC5.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human SIGLEC5.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	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 shoul d be handled by trained staff only.

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Applications

- Western Blot (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 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

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, Neurophils, Phagocytes

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- 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

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