

**SIGLEC6 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1624b****Specification**

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**SIGLEC6 Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O43699</a>
Other Accession	<a href="#">NP_001236</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49913
Antigen Region	381-412

**SIGLEC6 Antibody (C-term) - Additional Information****Gene ID** 946**Other Names**

Sialic acid-binding Ig-like lectin 6, Siglec-6, CD33 antigen-like 1, CDw327, Obesity-binding protein 1, OB-BP1, CD327, SIGLEC6, CD33L, CD33L1, OBBP1

**Target/Specificity**

This SIGLEC6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 381-412 amino acids from the C-terminal region of human SIGLEC6.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100

**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**

SIGLEC6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SIGLEC6 Antibody (C-term) - Protein Information****Name** SIGLEC6

**Synonyms** CD33L, CD33L1, OBBP1

**Function** Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds to 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**

[Isoform 1]: Cell membrane; Single-pass type I membrane protein

**Tissue Location**

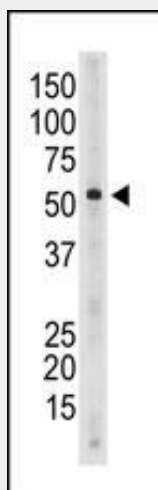
Expressed at high levels in placenta (cyto- and syncytiotrophoblastic cells) and at lower levels in spleen, peripheral blood leukocytes (predominantly B-cells) and small intestine

**SIGLEC6 Antibody (C-term) - Protocols**

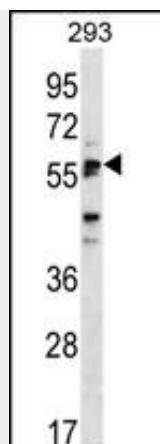
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

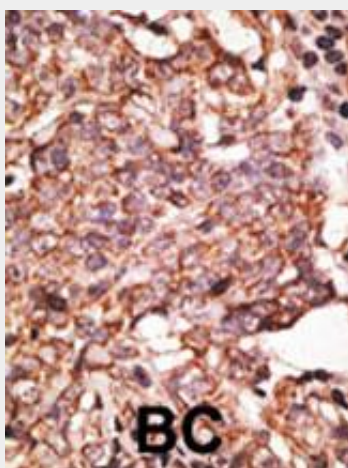
**SIGLEC6 Antibody (C-term) - Images**



The anti-Siglec6 C-term Pab (Cat. #AP1624b) is used in Western blot to detect Siglec6 in mouse spleen tissue lysate.



SIGLEC6 Antibody (Cat. #AP1624b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the SIGLEC6 antibody detected the SIGLEC6 protein (arrow).



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

#### **SIGLEC6 Antibody (C-term) - Background**

SIGLEC6 is a putative adhesion molecule that mediates sialic-acid dependent binding to cells by binding to alpha2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. SIGLEC6, which interacts with LEP, is expressed at high levels in placenta (cyto-and syncytiotrophoblastic cells) and at lower levels in spleen, peripheral blood leukocytes (predominantly B-cells) and small intestine. It contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in downmodulation of cellular responses. The phosphorylated ITIM motif binds to the SH2 domain of PTPN6/SHP-1. The gene for SIGLEC6 belongs to the immunoglobulin superfamily.

#### **SIGLEC6 Antibody (C-term) - References**

- Patel, N., et al., J. Biol. Chem. 274(32):22729-22738 (1999).
- Takei, Y., et al., Cytogenet. Cell Genet. 78 (3-4), 295-300 (1997).
- Patel, N., et al., J. Biol. Chem. 274, 28058-28058 (1999).