

Rabbit anti-Human CD33 Polyclonal Antibody | anti-CD33 antibody

CD33 Antibody

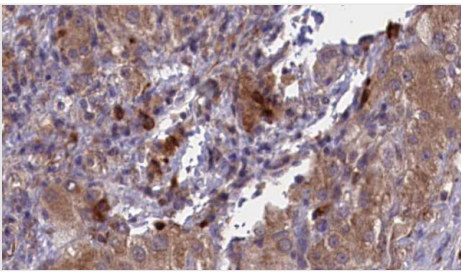
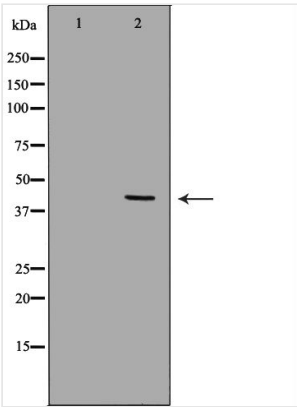
CATALOG # AAA326551	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

CD33; Polyclonal Antibody; CD33 Antibody; CD 33; CD33 antigen (gp67); CD33 antigen; CD33 molecule; CD33_HUMAN; FLJ00391; gp67; My9; Myeloid cell surface antigen CD33; Myeloid cell surface antigen CD33 precursor; Myeloid differentiation antigen CD33; p67; Sialic acid binding Ig like lectin 3; Sialic acid binding immunoglobulin like lectin 3; Sialic acid-binding Ig-like lectin 3; SIGLEC 3; Siglec-3; SIGLEC3; anti-CD33 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CD33 antibody detects endogenous levels of total CD33
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	237
Applicable Applications for anti-CD33 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD33
Subcellular Location	Cell Membrane
Tissue Specificity	Monocytic/myeloid lineage cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326551 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hepg2 whole cell lysates, using CD33 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CD33 antibody

Description: CD33 is a type I transmembrane glycoprotein that is found on granulocyte and macrophage precursors in the bone marrow, but is absent from pluripotent stem cells. CD33 is also expressed on monocytes in peripheral blood. It is used as a marker to distinguish myelogenous leukemia cells from lymphoid or erythroid leukemias. CD33 may function as a sialic acid-dependent cell adhesion molecule.

Function: Putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. Preferentially 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. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Induces apoptosis in acute myeloid leukemia (in vitro).

Subunit Structure: Interacts with PTPN6/SHP-1 and PTPN11/SHP-2 upon phosphorylation.

Post-translational Modifications: Phosphorylation of Tyr-340 is involved in binding to PTPN6 and PTPN11. Phosphorylation of Tyr-358 is involved in binding to PTPN6.

Similarity: Contains 2 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases. Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	130980072
NCBI GeneID	945
NCBI Accession #	NP_001076087.1
NCBI GenBank Nucleotide #	NM_001082618.1
UniProt Accession #	P20138; Q8TD24; B4E3P8; C9JEN7; F8WAL2
Molecular Weight	Observed: 40 kDa Predicted: 40 kDa
NCBI Official Full Name	myeloid cell surface antigen CD33 isoform 2
NCBI Official Synonym Full Names	CD33 molecule
NCBI Official Symbol	CD33
NCBI Official Synonym Symbols	p67; SIGLEC3; SIGLEC-3
NCBI Protein Information	myeloid cell surface antigen CD33

UniProt Protein Name	Myeloid cell surface antigen CD33
UniProt Gene Name	CD33
UniProt Synonym Gene Names	SIGLEC3; Siglec-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/cd33-antibody-immunohistochemistry-western-blot-elisa/326551>