

Rabbit anti-Rat CD166/ALCAM Polyclonal Antibody | anti-ALCAM antibody

Anti-CD166/ALCAM Antibody, Rabbit Polyclonal

CATALOG # AAA257306	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	--------------------------	--

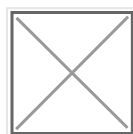
PRODUCT SYNONYMS

CD166/ALCAM; Polyclonal Antibody; Anti-CD166/ALCAM Antibody; Rabbit Polyclonal; ALCAM/CD166 Antibody; Rabbit PAb; Antigen Affinity Purified; activated leukocyte cell adhesion molecule; anti-ALCAM antibody

PRODUCT SPECIFICATIONS

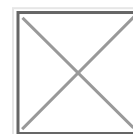
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat ALCAM/CD166
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ALCAM antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat ALCAM/CD166 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat ALCAM/CD166 (rR ALCAM/CD166). ALCAM/CD166 specific IgG was purified by Rat ALCAM/CD166 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



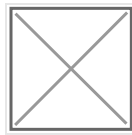
WB (Western Blot)

Anti-ALCAM rabbit polyclonal antibody at 1:500 dilution. Lane A: Hu-T78 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 65 kDa. Observed band size: 70 kDa.



IHC (Immunohistochemistry)

Immunohistochemical staining of rat ALCAM in rat liver with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of rat ALCAM in rat skin with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-ALCAM antibody	Activated leukocyte cell adhesion molecule (ALCAM)/Cluster of differentiation (CD166) is a type I transmembrane cell adhesion molecule belonging to the Ig superfamily and a ligand for CD6 that is expressed on T lymphocytes. The extracellular domain of ALCAM contains five Ig-like domains (three Ig-like C2-type domains and two Ig-like V-type domains), of which the amino-terminal V1 domain is essential for ligand binding and ALCAM-mediated cell aggregation. ALCAM mediates both heterophilic (ALCAM-CD6) and homophilic (ALCAM-ALCAM) cell-cell interactions. ALCAM/CD6 interaction plays a role in T cell development and T cell regulation, as well as in the binding of T- and B-cells to activated leukocytes. Recently, homophilic (ALCAM-ALCAM) adhesion was shown to play important roles in tight cell-to-cell interaction and regulation of stem cell differentiation. While expressed in a wide variety of tissues, ALCAM is usually restricted to subsets of cells involved in dynamic growth and/or migration, including neural development, branching organ development, hematopoiesis, immune response and tumor progression. And CD166 is regarded as a potential novel breast cancer indicator and therapeutic target.
References	Swart GW. (2002) Activated leukocyte cell adhesion molecule (CD166/ALCAM): developmental and mechanistic aspects of cell clustering and cell migration. Eur J Cell Biol. 81(6): 313-21. Fujiwara H, et al. (2003) Human blastocysts and endometrial epithelial cells express activated leukocyte cell adhesion molecule (ALCAM/CD166). J Clin Endocrinol Metab. 88(7): 3437-43. Jezierska A, et al. (2006) ALCAM/CD166 protects breast cancer cells against apoptosis and autophagy. Med Sci Monit. 12(8): BR263-73. Kahlert C, et al. (2009) Increased expression of ALCAM/CD166 in pancreatic cancer is an independent prognostic marker for poor survival and early tumour relapse. Br J Cancer. 101(3): 457-64.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13929058
NCBI GeneID	79559
NCBI Accession #	NP_113941.1
NCBI GenBank Nucleotide #	NM_031753.1
UniProt Accession #	O35112; O55172
Molecular Weight	65,022 Da
NCBI Official Full Name	CD166 antigen
NCBI Official Synonym Full Names	activated leukocyte cell adhesion molecule
NCBI Official Symbol	Alcam
NCBI Protein Information	CD166 antigen
UniProt Protein Name	CD166 antigen
UniProt Gene Name	Alcam

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.