

Rabbit CLEC4A Polyclonal Antibody | anti-CLEC4A antibody

CLEC4A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326808	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

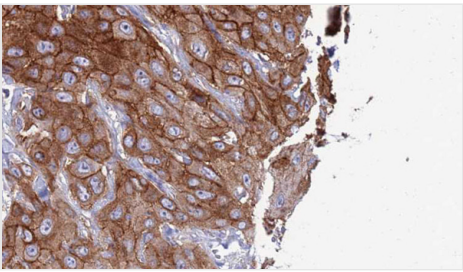
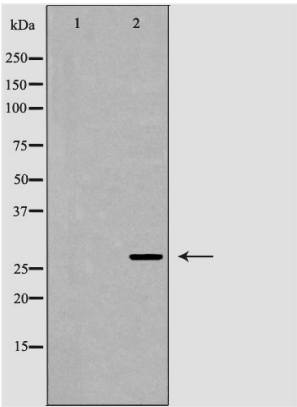
PRODUCT SYNONYMS

CLEC4A; Polyclonal Antibody; CLEC4A Antibody; C type (calcium dependent carbohydrate recognition domain) lectin superfamily member 6; C type lectin; C type lectin DDB27; C type lectin superfamily 6; C-type (calcium dependent; carbohydrate-recognition domain) lectin; superfamily member 6; C-type lectin superfamily member 6; C-type lectin DDB27; C-type lectin domain family 4 member A; C-type lectin domain family 4; member A; member a2; CLC4A_HUMAN; Clec4a; Clec4a2; CLECSF6; DCIR; Dcir1; DDB27; Dendritic cell immunoreceptor; HDCGC13P; Lectin like immunoreceptor; Lectin; C-type; Lectin-like immunoreceptor; LLIR; anti-CLEC4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CLEC4A antibody detects endogenous levels of total CLEC4A
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-CLEC4A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CLEC4A
Subcellular Location	Membrane.
Tissue Specificity	Expressed in dendritic cells, myeloid cells, B-cells and HL-60 cells (at protein level). TNF alpha, IL-1 alpha, and LPS, down-regulated expression at the surface of neutrophils (at protein level). Expressed preferentially in hematopoietic tissues. Expressed in peripheral blood leukocytes, neutrophils, moderate quantities in spleen, lymph node, and bone marrow, and at very low levels in thymus. Expressed in Ag-presenting cells (DC, monocytes, macrophages and B-cells), as well as on granulocytes. Expression was decreased in DC by signals inducing its maturation (e.g. CD40 ligand, LPS, and TNF alpha).
Predicted Cross Reactivity	Sheep, Rabbit
Similarity	Sheep (83%), Rabbit (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326808 at 1/100 staining Human Head and neck 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 HeLa whole cell lysates, using CLEC4A Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CLEC4A antibody

Description: This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may play a role in inflammatory and immune response. Multiple transcript variants encoding distinct isoforms have been identified for this gene. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region.

Function: May be involved in regulating immune reactivity. May play a role in modulating dendritic cells (DC) differentiation and/or maturation. May be involved via its ITIM motif (immunoreceptor tyrosine-based inhibitory motifs) in the inhibition of B-cell-receptor-mediated calcium mobilization and protein tyrosine phosphorylation.

Subunit Structure: May interact with PTPN6 via its ITIM motif.

Similarity: Contains 1 copy 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705338
NCBI GeneID	50856
NCBI Accession #	NP_057268.1
NCBI GenBank Nucleotide #	NM_016184.3
UniProt Accession #	Q9UMR7; Q17R69; Q8WXW9; Q9H2Z9; Q9NS33; Q9UI34
Molecular Weight	Observed: 28 kDa Predicted: 28 kDa
NCBI Official Full Name	C-type lectin domain family 4 member A isoform 1
NCBI Official Synonym Full Names	C-type lectin domain family 4 member A
NCBI Official Symbol	CLEC4A
NCBI Official Synonym Symbols	DCIR; LLIR; CD367; DDB27; CLECSF6; HDCGC13P
NCBI Protein Information	C-type lectin domain family 4 member A
UniProt Protein Name	C-type lectin domain family 4 member A
UniProt Gene Name	CLEC4A

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/clec4a-antibody-immunohistochemistry-western-blot-elisa/326808>