

Rabbit anti-Human, Mouse LAG3 Polyclonal Antibody | anti-LAG3 antibody

LAG3 Antibody (Center)

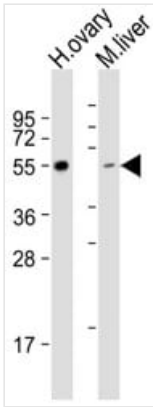
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28766	Rabbit	Human, Mouse	Western Blot, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

LAG3; Polyclonal Antibody; LAG3 Antibody (Center); Lymphocyte activation gene 3 protein; LAG-3; Protein FDC; CD223; FDC; anti-LAG3 antibody

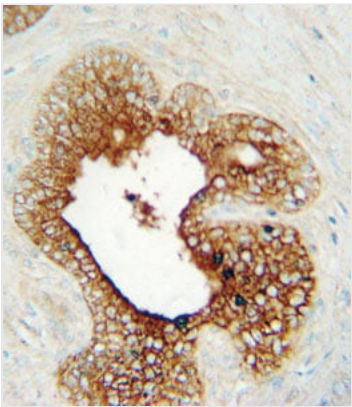
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This LAG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-132 amino acids from the Central region of human LAG3.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	103-132
Applicable Applications for anti-LAG3 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	IHC-P~~1:10~50 FC~~1:25 WB~~1:1000
Function	Lymphocyte activation gene 3 protein: Inhibitory receptor on antigen activated T-cells (PubMed: 7805750 , PubMed: 8647185 , PubMed: 20421648). Delivers inhibitory signals upon binding to ligands, such as FGL1 (By similarity). FGL1 constitutes a major ligand of LAG3 and is responsible for LAG3 T-cell inhibitory function (By similarity). Following TCR engagement, LAG3 associates with CD3-TCR in the immunological synapse and directly inhibits T-cell activation (By similarity). May inhibit antigen-specific T-cell activation in synergy with PDCD1/PD-1, possibly by acting as a coreceptor for PDCD1/PD-1 (By similarity). Negatively regulates the proliferation, activation, effector function and homeostasis of both CD8(+) and CD4(+) T-cells (PubMed: 7805750 , PubMed: 8647185 , PubMed: 20421648). Also mediates immune tolerance: constitutively expressed on a subset of regulatory T-cells (Tregs) and contributes to their suppressive function (By similarity). Also acts as a negative regulator of plasmacytoid dendritic cell (pDCs) activation (By similarity). Binds MHC class II (MHC-II); the precise role of MHC-II-binding is however unclear (PubMed: 8647185).
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Primarily expressed in activated T-cells and a subset of natural killer (NK) cells.
Preparation and 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.



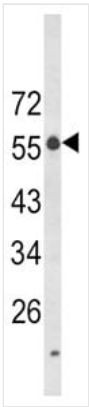
WB (Western Blot)

All lanes : Anti-LAG3 Antibody (Center) at 1:1000 dilution
Lane 1: human ovary lysate
Lane 2: mouse liver lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 57 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



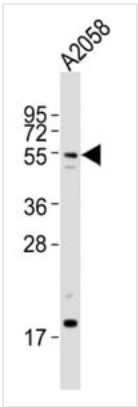
IHC (Immunohistochemistry)

LAG3 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LAG3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



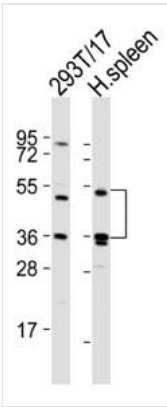
WB (Western Blot)

Western blot analysis of LAG3 Antibody (Center) in K562 cell line lysates (35ug/lane). LAG3 (arrow) was detected using the purified Pab.



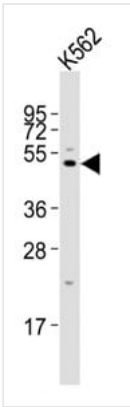
WB (Western Blot)

Anti-LAG3 Antibody (Center) at 1:2000 dilution (please inquire) whole cell lysates
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 57 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)

All lanes : Anti-LAG3 Antibody (Center) at 1:2000 dilution
Lane 1: 293T/17 whole cell lysates
Lane 2: human spleen lysates
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 57 kDa
Blocking/Dilution buffer: 5% NFDM/TBST



WB (Western Blot)

Anti-LAG3 Antibody (Center) at 1:2000 dilution + K562 whole cell lysates
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 57 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-LAG3 antibody	Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains.
Product Categories/Family for anti-LAG3 antibody	Immunology
References	Smyth,D.J., et.al., BMC Med. Genet. 7, 20 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167614500
NCBI GeneID	3902
NCBI Accession #	NP_002277.4
NCBI GenBank Nucleotide #	NM_002286.5
UniProt Accession #	P18627 ; Q7Z643 ; A8K7T9
NCBI Official Full Name	lymphocyte activation gene 3 protein
NCBI Official Synonym Full Names	lymphocyte-activation gene 3
NCBI Official Symbol	LAG3
NCBI Official Synonym Symbols	CD223
NCBI Protein Information	lymphocyte activation gene 3 protein
UniProt Protein Name	Lymphocyte activation gene 3 protein
UniProt Gene Name	LAG3
UniProt Synonym Gene Names	FDC; LAG-3
UniProt Entry Name	LAG3_HUMAN

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://www.aaabiotech.com/polyclonal/lag3-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/28766>