

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

LAG3 Antibody

CATALOG # AAA40865	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot, ELISA
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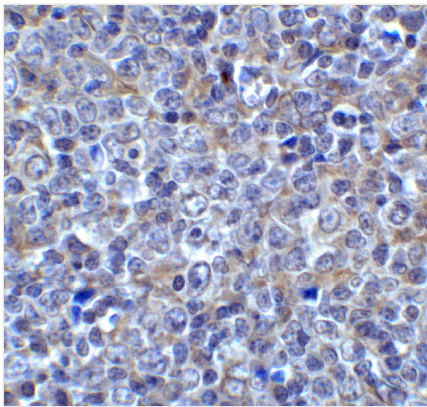
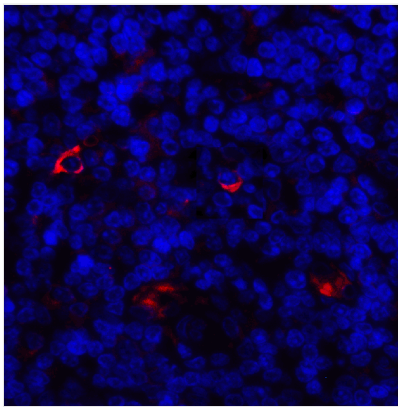
PRODUCT SYNONYMS

LAG3; Polyclonal Antibody; LAG3 Antibody; lymphocyte activating 3; LAG-3; CD223; anti-LAG3 antibody

PRODUCT SPECIFICATIONS

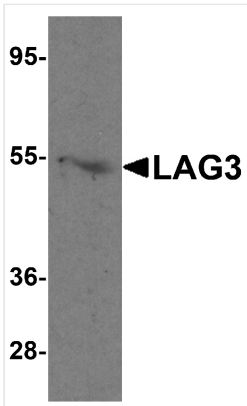
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two antibodies are known to exist; this antibody will only detect the largest isoform.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	525
Applicable Applications for anti-LAG3 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	LAG3 antibody was raised against a peptide corresponding to 18 amino acids near the amino terminus of human LAG3. The immunogen is located within amino acids 110 - 160 of LAG3.
Buffer	LAG3 Antibody is supplied in PBS containing 0.02% sodium azide.
Species	Human
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of LAG3 in human tonsil tissue with LAG3 antibody at 20 µg/ml. Red: LAG3 Antibody (8655) Blue: DAPI staining

IHC (Immunohistochemistry)
Immunohistochemistry of LAG3 in human tonsil tissue with LAG3 antibody at 5 µg/ml.



WB (Western Blot)
Western blot analysis of LAG3 in mouse liver tissue lysate with LAG3 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LAG3 antibody	The lymphocyte activation gene-3 (LAG3) is a member of the immunoglobulin superfamily and binds MHC class II with high affinity (1), negatively regulating T-cell function and homeostasis (2). It is expressed in B, T, and NK cells, monocytes, and dendritic cells (3), and acts to regulate T cell expansion (4). LAG3 is also an important immune checkpoint protein, with anti-LAG3 antibodies activating T effector cells and affecting regulatory T cell functions. Furthermore LAG3 appears to act in a synergistic fashion with PD-1/PD-L1, suggesting that a dual antibody approach may prove useful in cancer immunotherapy (5).
Product Categories/Family for anti-LAG3 antibody	Cell Cycle; Cancer; Immunology; Immune Checkpoint
References	1. Huard B, Tournier M, Hercend T, et al. Lymphocyte-activation gene 3/major histocompatibility complex class II interaction modulates the antigenic response of CD4+ T lymphocytes. Eur J Immunol 1994; 24:3216-21. 2. Triebel F. LAG-3: a regulator of T-cell and DC responses and its use in therapeutic vaccination. Trends Immunol 2003; 24:619-22. 3. Workman CJ, Wang Y, El Kasmi KC, et al. LAG-3 regulates plasmacytoid dendritic cell homeostasis. J Immunol. 2009; 182:1885-91. 4. Workman CJ, Vignali DA. The CD4-related molecule, LAG-3 (CD223), regulates the expansion of activated T cells. Eur J Immunol 2003; 33:970-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167614500
NCBI GeneID	3902
NCBI Accession #	NP_002277

NCBI GenBank Nucleotide #	NM_002286.5
UniProt Accession #	P18627 ; Q7Z643 ; A8K7T9
Molecular Weight	Predicted: 55 kDa Observed: 54 kDa
NCBI Official Full Name	lymphocyte activation gene 3 protein
NCBI Official Synonym Full Names	lymphocyte activating 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

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/lag3-antibody-western-blot-elisa/40865>