

Rabbit LTA Polyclonal Antibody | anti-LTA antibody

LTA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326222	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

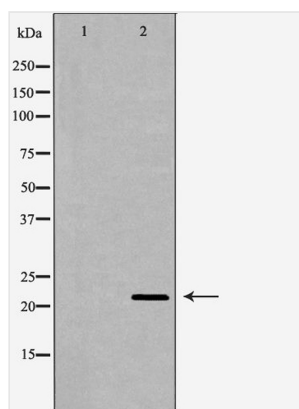
PRODUCT SYNONYMS

LTA; Polyclonal Antibody; LTA Antibody; LTalpha; DIF; LT alpha; LT; LT-alpha; Lta; Lymphotoxin alpha (TNF superfamily; member 1); Lymphotoxin alpha; Lymphotoxin-alpha; TNF B; TNF superfamily member 1; TNF; lymphocyte-derived; TNF-beta; TNFB; TNFB_HUMAN; TNFbeta; TNFSF1; TNLG1E; Tumor necrosis factor beta; tumor necrosis factor ligand 1E; Tumor necrosis factor ligand superfamily member 1; anti-LTA antibody

PRODUCT SPECIFICATIONS

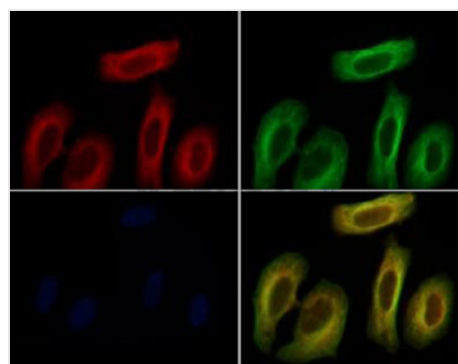
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	205
Applicable Applications for anti-LTA antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TNF beta, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



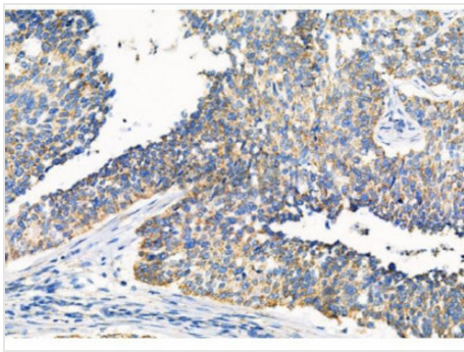
WB (Western Blot)

Western blot analysis of extracts of human spleen, using LTA antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA326222 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)
 AAA326222 at 1/100 staining Human ovarian cancer 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 primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

ADDITIONAL INFORMATION

Related Product Information for anti-LTA antibody	Description: Lymphotoxin-alpha (LT-alpha), also known as TNF-beta, is a member of the TNF superfamily of proteins. NK cells, T cells, B cells, and lymphoid tissue-inducer cells express LT-alpha. LT-alpha can be secreted as a soluble homotrimer or form membrane bound heterotrimers with lymphotoxin-beta (LT alpha1beta2 or LT alpha2beta1) which can be cleaved from the cell surface by matrix metalloproteases!!!!Soluble LT-alpha binds to and signals through TNFR1/TNFR2, activating the canonical NF-kappaB pathway 2. In contrast, LT alpha1beta2 heterodimers bind to the LTbetaR receptor and activate the noncanonical NF-kappaB pathway. As a result, LT-alpha and TNF-alpha have overlapping functions. Soluble LT-alpha and LT alpha1beta2 play key roles in lymphangiogenesis. The LT alpha1beta2/LTbetaR axis is essential for the development of lymphoid tissue.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6806893
NCBI GeneID	4049
NCBI Accession #	NP_000586.2
NCBI GenBank Nucleotide #	NM_000595.3
UniProt Accession #	P01374; Q8N4C3; Q9UKS8
Molecular Weight	22 kDa
NCBI Official Full Name	lymphotoxin-alpha
NCBI Official Synonym Full Names	lymphotoxin alpha
NCBI Official Symbol	LTA
NCBI Official Synonym Symbols	LT; TNFB; TNFSF1; TNLG1E
NCBI Protein Information	lymphotoxin-alpha
UniProt Protein Name	Lymphotoxin-alpha
UniProt Gene Name	LTA
UniProt Synonym Gene Names	TNFB; TNFSF1; LT-alpha

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/lta-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/326222>