

Rabbit anti-Human, mouse Lactoferrin (LTF) Polyclonal Antibody | anti-LTF antibody

Lactoferrin (LTF) Antibody (Center)

CATALOG # AAA286491	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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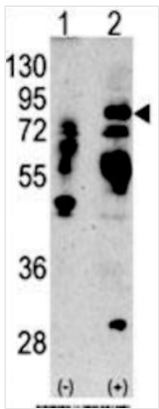
PRODUCT SYNONYMS

Lactoferrin (LTF); Polyclonal Antibody; Lactoferrin (LTF) Antibody (Center); Lactotransferrin; Lactoferrin; 3421-; Growth-inhibiting protein 12; Talalactoferrin; Lactoferricin-H; Lfcin-H; Kaliocin-1; Lactoferroxin-A; Lactoferroxin-B; Lactoferroxin-C; LTF; GIG12; LF; anti-LTF antibody

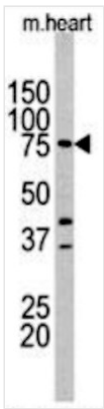
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This Lactoferrin (LTF) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 219-248 amino acids from the Central region of human Lactoferrin (LTF).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.3mg/mL (varies by lot)
Sequence Positions	219-248
Sequence Length	666
Applicable Applications for anti-LTF antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Function	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate.
Cellular Location	[Isoform 1]: Secreted. Cytoplasmic granule. Note=Secreted into most exocrine fluids by various endothelial cells Stored in the secondary granules of neutrophils
Tissue Location	High levels are found in saliva and tears, intermediate levels in serum and plasma, and low levels in urine. In kidney, detected in the distal collecting tubules in the medulla but not in the cortical region or in blood vessels. Detected in peripheral blood neutrophils (at protein level). Isoform 1 and isoform DeltaLf are expressed in breast, prostate, spleen, pancreas, kidney, small intestine, lung, skeletal muscle, uterus, thymus and fetal liver Isoform 1 is expressed in brain, testis and peripheral blood leukocytes; isoform DeltaLf is barely detectable in these tissues Isoform DeltaLf is expressed in placenta, liver and ovary; isoform 1 is barely detectable in these tissues. In kidney, isoform 1 is expressed at high levels in the collecting tubules of the medulla but at very low levels in the cortex.
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.

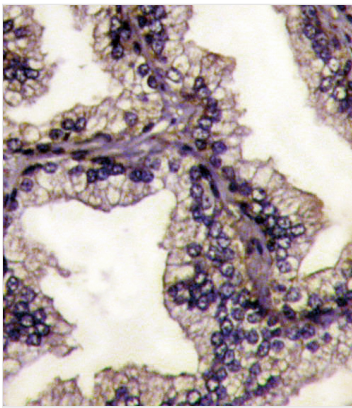
IMAGES



WB (Western Blot)
Western blot analysis of anti-LTF Antibody (Center) Pab in 293 cell line lysates transiently transfected with the LTF gene (2ug/lane). LTF (arrow) was detected using the purified Pab (1:60 dilution).



WB (Western Blot)
Western blot analysis of anti-LTF Antibody (Center) Pab in mouse heart tissue lysates (35ug/lane). LTF (arrow) was detected using the purified Pab (1:60 dilution).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded prostata carcinoma tissue reacted with LTF Antibody (Center) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-LTF antibody	This protein is a member of the transferrin family of metal-binding proteins found in milk and other secretory fluids and also in blood. It shows multifunctional properties of which the bacteriostatic and bactericidal effects are the best known.
Product Categories/Family for anti-LTF antibody	Cancer; Cell biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	312433998
NCBI GeneID	4057
NCBI Accession #	NP_001186078.1; NP_002334.2
NCBI GenBank Nucleotide #	NM_001199149.1
UniProt Accession #	P02788; O00756; Q16780; Q16785; Q16786; Q16789; Q5DSM0; Q8IU92; A8K9U8; B2MV13; B7Z4X2; E7EQH5
Molecular Weight	78182
NCBI Official Full Name	lactotransferrin isoform 2

NCBI Official Synonym Full Names	lactotransferrin
NCBI Official Symbol	LTF
NCBI Official Synonym Symbols	LF; HLF2; GIG12; HEL110
NCBI Protein Information	lactotransferrin
UniProt Protein Name	Lactotransferrin
UniProt Gene Name	LTF
UniProt Synonym Gene Names	GIG12; LF; Lactoferrin; Lfcin-H
UniProt Entry Name	TRFL_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://stage.aaabiotech.com/polyclonal/lactoferrin-ltf-antibody-western-blot-immunohistochemistry-elisa/286491>