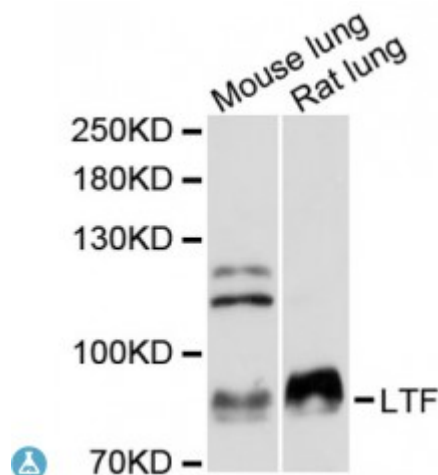


Anti-LTF Antibody



Description

This gene is a member of the transferrin family of genes and its protein product is found in the secondary granules of neutrophils. The protein is a major iron-binding protein in milk and body secretions with an antimicrobial activity, making it an important component of the non-specific immune system. The protein demonstrates a broad spectrum of properties, including regulation of iron homeostasis, host defense against a broad range of microbial infections, anti-inflammatory activity, regulation of cellular growth and differentiation and protection against cancer development and metastasis. Antimicrobial, antiviral, antifungal and antiparasitic activity has been found for this protein and its peptides. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Model	STJ114768
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 500-710 of human LTF (NP_002334.2).
Gene ID	4057
Gene Symbol	LTF
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	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 blo

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Lactotransferrin Lactoferrin ; Kaliocin-1; Lactoferroxin-A; Lactoferroxin-B; Lactoferroxin-C]
Molecular Weight	78.182 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6720OMIM:150210Reactome:R-HSA-1222449
Alternative Names	Lactotransferrin Lactoferrin ; Kaliocin-1; Lactoferroxin-A; Lactoferroxin-B; Lactoferroxin-C]
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 Localization	Secreted, Cytoplasmic granule, Isoform DeltaLf: Cytoplasm, Nucleus,
Post-translational Modifications	Isoform DeltaLf: Ubiquitinated at Lys-379 and Lys-391