

# Lactoferrin Antibody

Rabbit mAb Catalog # AP91251

### **Product Information**

Application WB, IHC, IP
Primary Accession P02788
Reactivity Human
Clonality Monoclonal

Other Names GIG12; Growth inhibiting protein 12; HLF2; Kaliocin 1; Lactoferrin;

Lactoferroxin-C; Lactotransferrin; LF; LTF; Neutrophil lactoferrin;

Talalactoferrin;

IsotypeRabbit IgGHostRabbitCalculated MW78182

## **Additional Information**

**Dilution** WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50

**Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human Lactoferrin

**Description** Lactoferroxins A, B and C have opioid antagonist activity. Lactoferroxin A

shows preference for mu-receptors, while lactoferroxin B and C have somewhat higher degrees of preference for kappa-receptors than for

mu-receptors.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

#### **Protein Information**

Name LTF ( HGNC:6720)

Synonyms GIG12, LF

**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

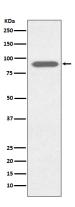
neutrophils

**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.

# **Images**



Western blot analysis of Lactoferrin expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.