

ARG64744 anti-Lactoferrin antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Lactoferrin
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Lactoferrin
Species	Human
Immunogen	C-ENYKSQQSSDPDP
Conjugation	Un-conjugated
Alternate Names	LF; Lfcin-H; HEL110; Lactoferrin; Lactotransferrin; Growth-inhibiting protein 12; GIG12; Talalactoferrin; EC 3.4.21.-; HLF2

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 4 µg/ml
	WB	0.05 - 0.2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Peripheral blood mononucleocyte	
Observed Size	~ 85 kDa	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 4057 Human](#)

[Swiss-port # P02788 Human](#)

Background

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody

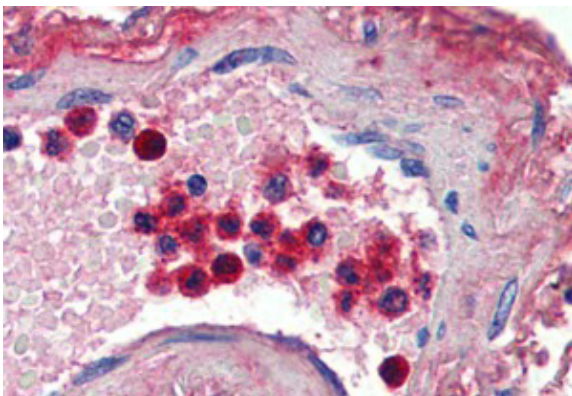
Calculated Mw

78 kDa

PTM

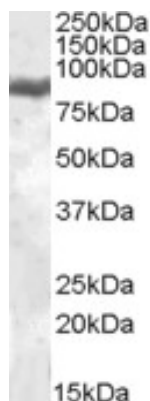
Isoform DeltaLf: Ubiquitinated at Lys-379 and Lys-391.
Poly-N-acetyllactosaminic carbohydrate moiety seems to be needed for TLR4 activation.

Images



ARG64744 anti-Lactoferrin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human blood vessel tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64744 anti-Lactoferrin antibody at 2 µg/ml dilution followed by AP-staining.



ARG64744 anti-Lactoferrin antibody WB image

Western blot: 35 µg of peripheral blood mononucleocyte lysate (in RIPA buffer) stained with ARG64744 anti-Lactoferrin antibody at 0.05 µg/ml dilution and incubated at RT for 1 hour.