

**LITAF Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21944a****Specification**

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**LITAF Antibody (N-Term) - Product Information**

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Application       | WB,E                                            |
| Primary Accession | <a href="#">Q99732</a>                          |
| Other Accession   | <a href="#">Q9JLQ0</a> , <a href="#">P0C0T0</a> |
| Reactivity        | Human                                           |
| Predicted         | Mouse, Rat                                      |
| Host              | Rabbit                                          |
| Clonality         | polyclonal                                      |
| Isotype           | Rabbit IgG                                      |
| Calculated MW     | 17107                                           |

**LITAF Antibody (N-Term) - Additional Information****Gene ID** 9516**Other Names**

Lipopolysaccharide-induced tumor necrosis factor-alpha factor, LPS-induced TNF-alpha factor, Small integral membrane protein of lysosome/late endosome, p53-induced gene 7 protein, LITAF, PIG7, SIMPLE

**Target/Specificity**

This LITAF antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 31-60 amino acids from the human LITAF.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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.

**Precautions**

LITAF Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**LITAF Antibody (N-Term) - Protein Information****Name** LITAF

**Function** Plays a role in endosomal protein trafficking and in targeting proteins for lysosomal degradation (PubMed:[23166352](#)). Plays a role in targeting endocytosed EGFR and ERG3 for lysosomal degradation, and thereby helps down-regulate downstream signaling cascades (PubMed:[23166352](#)). Helps recruit the ESCRT complex components TSG101, HGS and STAM to cytoplasmic membranes (PubMed:[23166352](#)). Probably plays a role in regulating protein degradation via its interaction with NEDD4 (PubMed:[15776429](#)). May also contribute to the regulation of gene expression in the nucleus (PubMed:[10200294](#), PubMed:[15793005](#)). Binds DNA (in vitro) and may play a synergistic role with STAT6 in the nucleus in regulating the expression of various cytokines (PubMed:[15793005](#)). May regulate the expression of numerous cytokines, such as TNF, CCL2, CCL5, CXCL1, IL1A and IL10 (PubMed:[10200294](#), PubMed:[15793005](#)).

#### **Cellular Location**

Cytoplasm. Nucleus. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome membrane. Late endosome membrane. Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus membrane. Note=Associated with membranes of lysosomes, early and late endosomes (PubMed:11274176, PubMed:27927196, PubMed:27582497). Can translocate from the cytoplasm into the nucleus (PubMed:15793005). Detected at Schmidt-Lanterman incisures and in nodal regions of myelinating Schwann cells (By similarity) {ECO:0000250|UniProtKB:Q9JLJ0, ECO:0000269|PubMed:11274176, ECO:0000269|PubMed:15793005, ECO:0000269|PubMed:27582497, ECO:0000269|PubMed:27927196}

#### **Tissue Location**

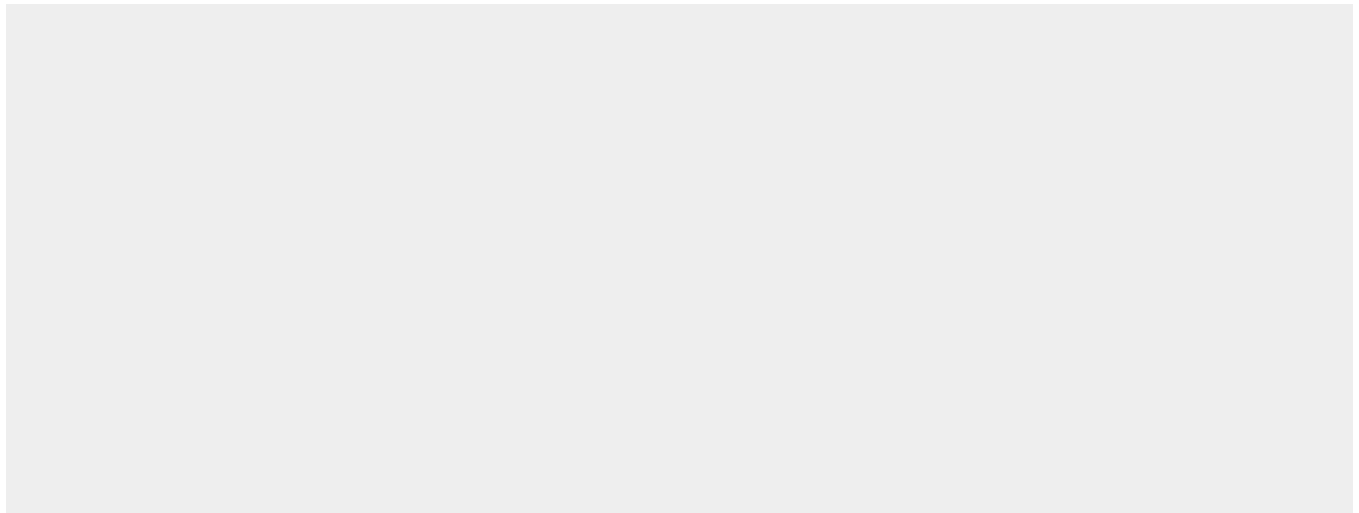
Ubiquitously and abundantly expressed. Expressed predominantly in the placenta, peripheral blood leukocytes, lymph nodes and spleen.

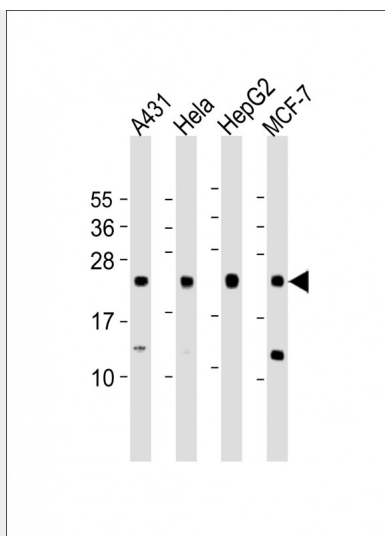
#### **LITAF Antibody (N-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **LITAF Antibody (N-Term) - Images**





All lanes : Anti-LITAF Antibody (N-Term) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **LITAF Antibody (N-Term) - Background**

Probable role in regulating transcription of specific genes. May regulate through NFκB1 the expression of the CCL2/MCP-1 chemokine. May play a role in tumor necrosis factor alpha (TNF-α) gene expression.

#### **LITAF Antibody (N-Term) - References**

Polyak K.,et al.Nature 389:300-306(1997).  
Myokai F.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:4518-4523(1999).  
Moriwaki Y.,et al.J. Biol. Chem. 276:23065-23076(2001).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).