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Rabbit Anti-LITAF antibody

SL18300R

Product Name:	LITAF
Chinese Name:	脂多糖诱导Tumour坏死因子α抗体
Alias:	Lipopolysaccharide induced TNF alpha factor; CMT1C; FLJ38636; Lipopolysaccharide induced TNF alpha factor; Lipopolysaccharide induced TNF factor; Lipopolysaccharide induced tumor necrosis factor alpha factor; Lipopolysaccharide-induced tumor necrosis factor-alpha factor; LITAF; LITAF_HUMAN; LPS induced TNF alpha factor; LPS-induced TNF-alpha factor; MGC116698; MGC116700; MGC116701; MGC125274; MGC125275; MGC125276; p53 induced gene 7 protein; p53-induced gene 7 protein; PIG 7; PIG7; SIMPLE; Small integral membrane protein of lysosome/late endosome; TP53I7; Tumor protein p53 inducible protein 7.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,Opossum, Marmoset (common), Bat, Elephant
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	17kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LITAF:1-100/161
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:	PubMed
Product Detail:	Lipopolysaccharide is a potent stimulator of monocytes and macrophages, causing secretion of tumor necrosis factor-alpha (TNF-alpha) and other inflammatory mediators. This gene encodes lipopolysaccharide-induced TNF-alpha factor, which is a DNA-binding protein and can mediate the TNF-alpha expression by direct binding to the promoter region of the TNF-alpha gene. The transcription of this gene is induced by tumor suppresor p53 and has been implicated in the p53-induced apoptotic pathway. Mutations in this gene cause Charcot-Marie-Tooth disease type 1C (CMT1C) and may be involved in the carcinogenesis of extramammary Paget's disease (EMPD). Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2008] **Function:** Probable role in regulating transcription of specific genes. May regulate through NFKB1 the expression of the CCL2/MCP-1 chemokine. May play a role in tumor necrosis factor alpha (TNF-alpha) gene expression. **Subcellular Location:** Lysosome membrane. Associated with membranes of lysosomes. **Tissue Specificity:** Ubiquitously and abundantly expressed. Expressed predominantly in the placenta, peripheral blood leukocytes, lymph nodes and spleen. **DISEASE:** Defects in LITAF are the cause of Charcot-Marie-Tooth disease type 1C (CMT1C) [MIM:601098]. CMT1C is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT1 group are characterized by severely reduced nerve conduction velocities (less than 38 m/sec), segmental demyelination and remyelination with onion bulb formations on nerve biopsy, slowly progressive distal muscle atrophy and weakness, absent deep tendon reflexes, and hollow feet. Note=Defects in LITAF may be involved in extramammary Paget disease (EMPD) carcinogenesis. EMPD is a cancerous disease representing about 8% of all malignant skin cancers; it usually appears in the anogenital area and can be fatal by metastasizing to internal organs when left untreated for a long time. The clinical features are usually those of eczematous eruptions with weeping and crust formation. **SWISS:** Q99732 **Gene ID:** 9516

	Database links: Entrez Gene: 374125 Chicken Entrez Gene: 520564 Cow Entrez Gene: 9516 Human Entrez Gene: 56722 Mouse Entrez Gene: 65161 Rat Omim: 603795 Human SwissProt: Q99732 Human SwissProt: Q9JLJ0 Mouse SwissProt: P0C0T0 Rat Unigene: 459940 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.