

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LITAF in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human LITAF Met1-Ala111 Accession # Q99732
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

LITAF (LPS-induced TNF- α factor), initially identified through its interaction with the TNF- α promoter, is a transcription factor that contributes to the regulation of several inflammatory cytokines in response to LPS or p53 stimulation. LITAF interacts directly with LPS-induced STAT6(B) in the cytoplasm, this complex then translocates into the nucleus, where it significantly up-regulates the transcription of other inflammatory mediators such as, GRO, IL-1 α , TNF- α , MCP-2 and IFN- γ . Phosphorylation of LITAF by p38 α via the TLR pathway is also required for nuclear translocation. Mutations in LITAF have been associated with CMT1C (Charcot-Marie-Tooth neuropathy type 1C) an autosomal dominant demyelinating form of peripheral neuropathy.

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