Mouse IGFALS/ALS Alexa Fluor® 700-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF1436N
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IGFALS/ALS in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IGFALS/ALS Thr28-Cys603 Accession # P70389
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

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

ALS (Acid labile subunit) is an 84-86 kDa glycoprotein member of the leucine rich repeat superfamily of molecules. It is secreted by hepatocytes in response to growth hormone stimulation, and forms a 140-150 kDa ternary complex with IGFBP3 (or IGFBP5) and IGF-I. This complex increases the half-life of IGF-I and retains it in the circulation for use in multiple tissues. Mature mouse ALS is 580 amino acids (aa) in length (aa 24-603). It contains twenty-one 20-23 aa LRRs that participate in protein-protein interactions. There are two potential isoform variants that show N-terminal extensions. One contains a 66 aa substitution for aa 1-5, while another possesses an 89 aa substitution again for aa 1-5. Over aa 28-603, mouse ALS shares 79% and 93% aa identity with human and rat ALS, respectively.

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