Mouse ALS Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF1436

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ALS in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse ALS Thr28-Cys603 Accession # P70389
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse ALS

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

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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