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EB08509 - Goat Anti-Ankyrin 1 / ANK1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ANK1, ankyrin 1, erythrocytic, ANK, SPH1, SPH2, ankyrin 1, ankyrin-1, erythrocytic, ankyrin-R
Official Symbol: ANK1
Accession Number(s): NP_000028.3; NP_065208.2; NP_065209.2; NP_065210.2; NP_065211.2; NP_065213.2
Human GeneID(s): 286
Non-Human GeneID(s): 11733 (mouse), 306570 (rat)
Important Comments: This antibody is expected to recognise isoform 3 (NP_000028.3) and isoform 5 (NP_065211.2).

Immunogen

Peptide with sequence C-QIVKRASLKRGKQ, from the C Terminus of the protein sequence according to NP_000028.3; NP_065208.2; NP_065209.2; NP_065210.2; NP_065211.2; NP_065213.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Preliminary experiments gave approx. 19-23 kDa bands in Human Skeletal Muscle lysates after 0.01µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for these bands we observe given the observed 28+30 kDa bands in the literature for this tissue (PMID: 9430667) and given the calculated size of 17.6 kDa according to NP_065211.2. The 19-22 kDa bands were successfully blocked by incubation with the immunizing peptide.

Species Reactivity

Tested:
Expected from sequence similarity: Human, Mouse, Rat, Cow