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**Research Use Only. Not for
diagnostic or therapeutic use.**

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. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

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