

## UK Office

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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-QIVKRASLKRKQ, 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