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Research Use Only. Not for diagnostic or therapeutic use.

EB08631 - Goat Anti-Ankyrin G Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ANK3, ankyrin 3, node of Ranvier (ankyrin G), RP11-369L1.1, ANKYRIN-G, FLJ45464, ankyrin 3, ankyrin G119, ankyrin-3, node of Ranvier

Official Symbol: ANK3

Accession Number(s): NP_066267.2; NP_001140.2

Human GeneID(s): 288

Important Comments: This antibody is expected to recognise both reported isoforms

(NP_001140.2; NP_066267.2)

Immunogen

Peptide with sequence C-SWQNETSSGNLE, from the internal region of the protein sequence according to NP_066267.2; NP_001140.2.

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 1:16000.

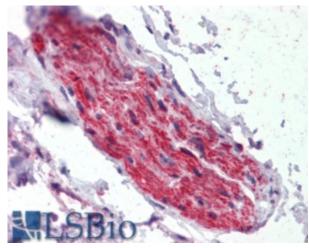
IHC: Paraffin embedded Prostate and Human Brain (Cerebellum). Recommended concentration: 3.75µg/ml.

Cryosection of immersion-fixed (1% PFA/0.5% methanol) Human Hypothalamus. Optimal dilution: 1:5000. *Vibratome prepared sample for optimal labelling.

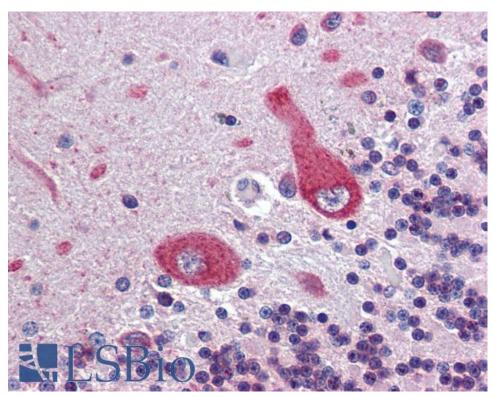
Species Reactivity

Tested: Human

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



EB08631 (3.75 μ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08631 (3.75µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08631 (1:5000) immunostaining of ankyrin G-positive axon initial segments in cryosection of an immersion-fixed (1% PFA/0.5% methanol) Human Hypothalamus*. Antigen retrieval with citrate buffer Ph 6 at 80C for 30min. HRP-staining with Ni-DAB, after Biotin-SP-anti-goat (IgG) method. Data obtained by Drs. Éva Rumpler and Erik Hrabovszky, Inst, Exp, Med, Budapest, Hungary.