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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB05380 - Goat Anti-AXIN1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: fused, mouse, homolog of, axis inhibitor 1, axis inhibition protein 1, MGC52315, LA16c-314G4.3, AXIN, axin 1, AXIN1

Official Symbol: AXIN1

Accession Number(s): NP_003493.1; NP_851393.1

Human GeneID(s): [8312](#)

Non-Human GeneID(s): 12005 (mouse), 79257 (rat)

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

Immunogen

Peptide with sequence C-FEEKIIGKVEKVD, from the C Terminus of the protein sequence according to NP_003493.1; NP_851393.1.

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.

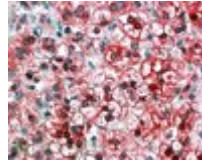
Western blot: Preliminary experiments gave bands at approx 150kDa and 22-24kDa in Human Brain (Hippocampus) lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 95.6kDa according to NP_003493.1 and 91.7kDa according to NP_851393.1. The detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). 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?

IHC: In paraffin embedded Human Adrenal Gland shows membranous and fibrous staining in and around secretory cells of the zona fasciculata in the cortex. Recommended concentration, 3-5µg/ml.

Species Reactivity

Tested: Human

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



EB05380 (3.8µg/ml) staining of paraffin embedded Human Adrenal Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.