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

EB09568 - Goat Anti-Calponin 2 / CNN2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CNN2, calponin 2, calponin H2, smooth muscle, neutral calponin

Official Symbol: CNN2

Accession Number(s): NP_004359.1; NP_958434.1

Human GeneID(s): [1265](#)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_004359.1; NP_958434.1), but it is not expected to cross-react with CCN3.

Immunogen

Peptide with sequence C-DPGEVPEYPPYYQEE, from the internal region (near C Terminus) of the protein sequence according to NP_004359.1; NP_958434.1.

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 1:32000.

Western blot: Approx 35kDa band observed in lysates of cell line HepG2 (calculated MW of 33.7kDa according to NP_004359.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Placenta. Recommended concentration: 2.5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

EB09568 (0.03µg/ml) staining of HepG2 lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.
EB09568 (2.5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer
pH 6, AP-staining.