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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

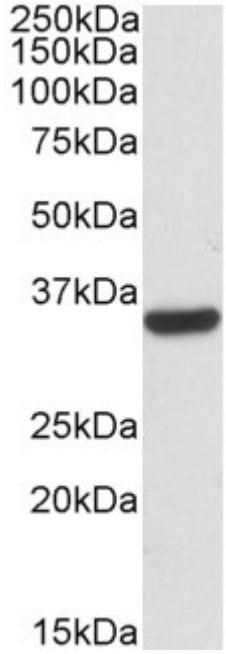
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

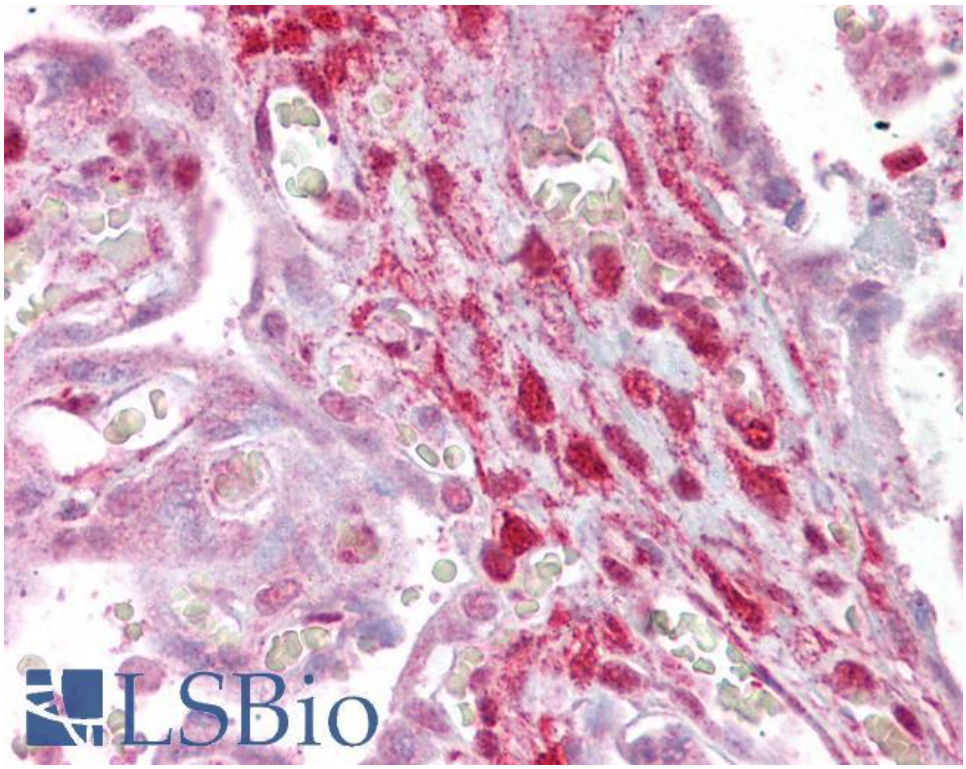
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 35kDa band observed in lysates of cell line HepG2 (calculated MW of 33.7kDa according to NP_004359.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.
IHC: Paraffin embedded Human Placenta. Recommended 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.