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Research Use Only. Not for diagnostic or therapeutic use.

EB12320-B - Goat Anti-carbonic anhydrase XII (aa188-199), Biotinylated Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CA12, carbonic anhydrase 12, CA-XII, CAXII, HsT18816, T18816, carbonate dehydratase XII, carbonic anhydrase XII, carbonic dehydratase, tumor antigen HOM-RCC-3.1.3

Official Symbol: CA12

Accession Number(s): NP_001209.1; NP_996808.1; NP_001280571.1

Human GeneID(s): 771

Important Comments: This antibody is expected to recognize all reported isoforms

(NP_001209.1; NP_996808.1; NP_001280571.1).

Immunogen

Peptide with sequence CSHLQHVKYKGQE., from the internal region of the protein sequence according to NP_001209.1; NP_996808.1; NP_001280571.1.

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: Approx 45kDa band observed in Human kidney lysates (calculated MW of 39.5kDa according to NP_001209.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Biotinylated EB12320 (0.1µg/ml) staining of Human Kidney lysate (35µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.