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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

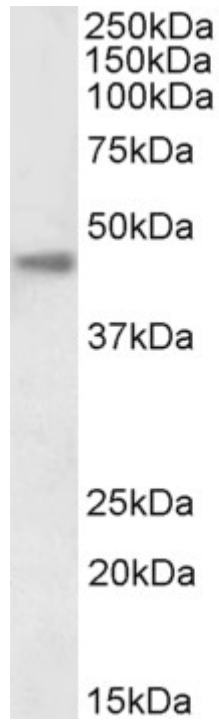
Peptide ELISA: antibody detection limit dilution 1:128000.

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



Biotinylated EB12320 (0.1 μ g/ml) staining of Human Kidney lysate (35 μ g 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.