



## UK Office

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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

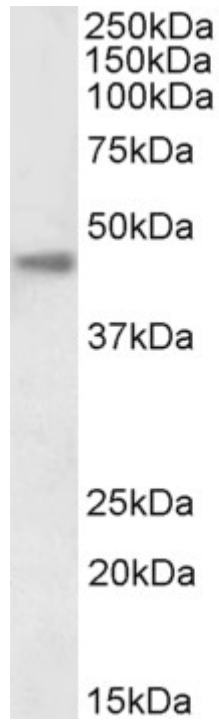
**Peptide ELISA:** antibody detection limit dilution 1:128000.

**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 $\mu$ g/ml) staining of Human Kidney lysate (35 $\mu$ 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.