



## UK Office

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

## EB12320 - Goat Anti-carbonic anhydrase XII (aa188-199) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CA12, carbonic anhydrase XII, CAXII, HsT18816, CA-XII, carbonate dehydratase XII, carbonic anhydrase 12, 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 C-SHLQHVKYKGQE, 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.

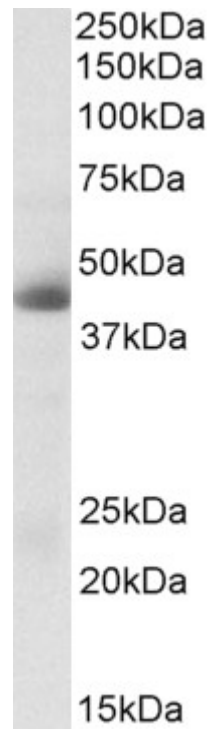
**Western blot:** Approx 45kDa band observed in Human Kidney lysates (calculated MW of 39.5kDa according to NP\_001209.1). Recommended concentration: 0.3-1µg/ml.

**IHC:** In paraffin embedded Human Kidney shows membranous staining in some epithelial cells of convoluted tubules. Recommended concentration, 5-10µg/ml.

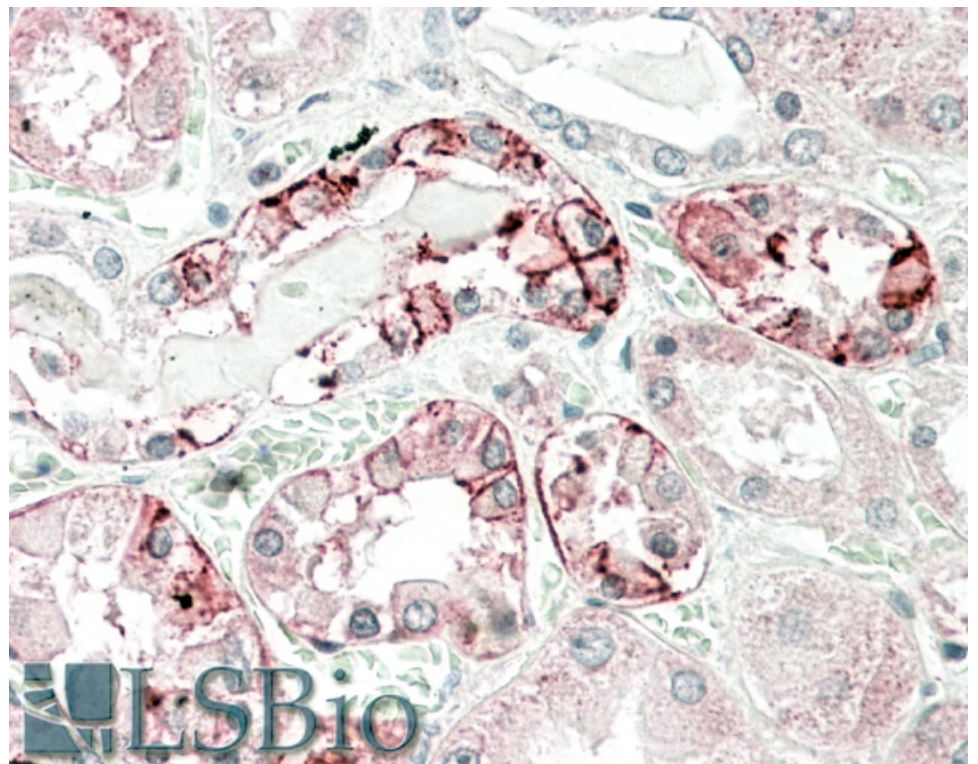
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB12320 (0.3 $\mu$ g/ml) staining of Human Kidney lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB12320 (5 $\mu$ g/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.