

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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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

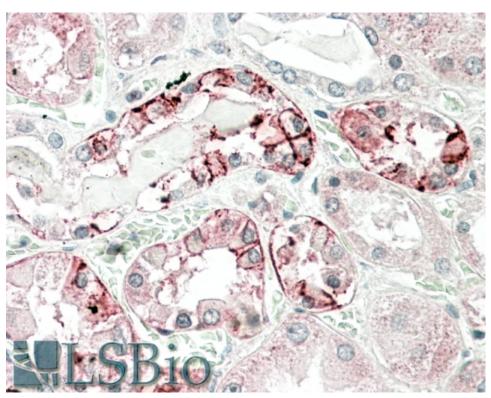
Tested: Human

Expected from sequence similarity: Human

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

15kDa

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 (5μg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.