

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

Research Use Only. Not for diagnostic or therapeutic use.

EB06800 - Goat Anti-CLCA1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CLCA1, chloride channel, calcium activated, family member 1,

HGNC:2015, CaCC, calcium activated chloride channel 1

Official Symbol: CLCA1

Accession Number(s): NP_001276.1

Human GeneID(s): 1179

Important Comments: No cross-reactivity expected with CLCA2 and 3.

Immunogen

Peptide with sequence C-TVTSKTNKDTSK, from the internal region of the protein sequence according to NP_001276.1.

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 1:16000.

Western blot: Experiments gave bands at approx 80kDa and 30kDa in Human Duodenum lysates. These bands correspond to earlier findings in literature with different antibodies (Gruber et al, Genomics. 1998 Dec 1;54(2):200-14.). This protein has a calculated MW of 100kDa according to NP_001276.1. Recommended concentration: 1-3μg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB06800 (1μg/ml) staining of Human Duodenum lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.