



## UK Office

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

## EB07271 - Goat Anti-Chromogranin A precursor Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** chromogranin A precursor, chromogranin A (parathyroid secretory protein 1), CHGA, CGA, parathyroid secretory protein 1, Vasostatin, Pancreastatin, Parastatin, Pituitary secretory protein I, SP1

**Official Symbol:** CHGA

**Accession Number(s):** NP\_001266.1; NP\_001288619.1

**Human GeneID(s):** [1113](#)

### Immunogen

Peptide with sequence C-QGAKERAHQQKKH, from the internal region of the protein sequence according to NP\_001266.1; NP\_001288619.1.

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 50kDa band observed in lysates of cell lines Jurkat and LNCaP, and in Human Cerebellum, Pancreas and Kidney lysates. A band at 35kDa was also observed in pancreas lysate (calculated MW of 50.7 kDa according to NP\_001266.1 isoform 1 and 34.3kDa according to NP\_001288619.1 isoform 2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**Flow Cytometry:** Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB07271 (1µg/ml) staining of Jurkat (A) and LNCaP (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07271 (0.3µg/ml) staining of Human Cerebellum (A) and (1ug/ml) Kidney (B), Pancreas iso 1 © and Pancreas iso 2 (D) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07271 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.