EB08953 - Goat Anti-COG1 Antibody

Size: 100µg specific antibody in 200µl

International Office

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Target Protein

Principal Names: COG1, component of oligomeric golgi complex 1, CDG2G, DKFZp762L1710, KIAA1381, LDLB, conserved oligomeric Golgi complex protein 1, low density lipoprotein receptor defect B complementing
Official Symbol: COG1
Accession Number(s): NP_061184.1
Human GeneID(s): 9382

Immunogen

Peptide with sequence C-KAKSTRNIETKAQ, from the internal region of the protein sequence according to NP_061184.1.

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 1:64000.
Western blot: Approx. 110kDa band observed in Human Brain (Cerebellum, Amygdala) lysates (calculated MW of 109kDa according to NP_061184.1). Recommended concentration: 0.1-0.3µg/ml. An additional band of unknown identity was also consistently observed at 45kDa. This band was successfully blocked by incubation with the immunising peptide. Primary incubation was 1 hour.

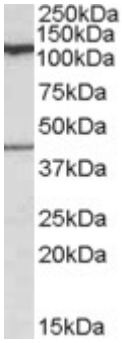
Immunofluorescence: This antibody has been successfully used in IF on Human: Dechtawewat T et al. (2016) PMID: 27108190.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in IF on Human:
Dechtawewat T, Paemanee A, Roytrakul S, Songprakhon P, Limjindaporn T, Yenchitsomanus PT, Saitornuang S, Puttikhunt C, Kasinrerk W, Malasit P, Noisakran S.
Mass spectrometric analysis of host cell proteins interacting with dengue virus nonstructural protein 1 in dengue virus-infected HepG2 cells.
Biochim Biophys Acta. 2016 Sep;1864(9):1270-80.
PMID: 27108190



EB08953 (0.1µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.