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EB10456 - Goat Anti-GNB3 & GNB4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: G protein, beta-3 subunit, GTP-binding regulatory protein beta-3 chain, guanine nucleotide binding protein (G protein), beta polypeptide 3, guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 3, guanine nucleotide-binding

protein, beta-3, GNB3

Official Symbol: GNB3

Accession Number(s): NP_002066.1, NP_067642.1

Human GeneID(s): <u>2784</u>, <u>59345</u> **Non-Human GeneID(s):** 60449 (rat)

Important Comments: This antibody is expected to recognize GNB3 & GNB4 (GeneID:

2784, 59345; ProteinID: NP_002066.1; NP_067642.1).

Immunogen

Peptide with sequence SGHDNRVSCLGVT, from the internal region of the protein sequence according to NP_002066.1, NP_067642.1.

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: Approx 35kDa band observed in lysates of cell line HepG2 (calculated MW of 37.2kDa according to NP_002066.1. Recommended concentration: 0.1-0.3μg/ml. IHC: In paraffin embedded Human Cerebellum shows strong axonal staining in the Molecular layer and less so in the Granular layer. Recommended concentration, 3-5μg/ml.

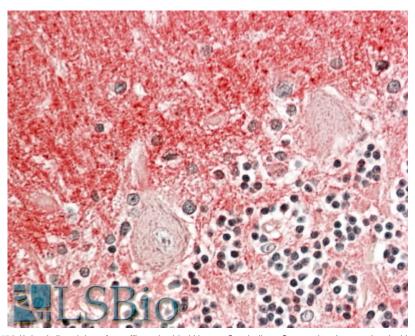
Species Reactivity

Tested: Human

Expected from sequence similarity: Human

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

EB10456 (0.1 μ g/ml) staining of HepG2 lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10456 (3.8 μ g/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.