

Goat anti-GNB3 & GNB4 Antibody

Item Number	dAP-2273
Target Molecule	Principle Name: GNB3 & GNB4; Official Symbol: GNB3; All Names and Symbols: GNB3; guanine nucleotide binding protein (G protein), beta polypeptide 3; G protein, beta-3 subunit; GTP-binding regulatory protein beta-3 chain; guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 3; guanine nucleotide-binding protein, beta-3 ; Accession Number (s): NP_002066.1, NP_067642.1; Human Gene ID(s): 2784; 59345; Non-Human GeneID(s): 60449 (rat)
Immunogen	SGHDNRVSLGVT, is from internal region This antibody is expected to recognize GNB3 & GNB4 (GeneID: 2784, 59345; ProteinID: NP_002066.1; NP_067642.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	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	Immunohistochemistry: 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.
Reference	Reference(s): Gentile G, Missori S, Borro M, Sebastianelli A, Simmaco M, Martelletti P, Frequencies of genetic polymorphisms related to triptans metabolism in chronic migraine. The journal of headache and pain 2010 Apr 11 (2): 151-6..PMID: 20213484->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**