



Anti-PGGT1B (aa 1-105) polyclonal antibody (DPAB-DC2230)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Protein geranylgeranyltransferase type I (GGTase-I) transfers a geranylgeranyl group to the cysteine residue of candidate proteins containing a C-terminal CAAX motif in which A is an aliphatic amino acid and X is leucine (summarized by Zhang et al., 1994 [PubMed 8106351]). The enzyme is composed of a 48-kD alpha subunit (FNTA; MIM 134635) and a 43-kD beta subunit, encoded by the PGGT1B gene. The FNTA gene encodes the alpha subunit for both GGTase-I and the related enzyme farnesyltransferase.[supplied by OMIM, Mar 2010]
Immunogen	PGGT1B (NP_005014, 1 a.a. ~ 105 a.a) partial recombinant protein with GST tag. The sequence is MVATEDERLAGSGEGERLDFLRDRHVRFFQRCLQVLPERYSSLETSRLTIAFFALSGLDM LDSLDVVNKDDIIIEWIYSLQVLPTEDRSNLNRCGFRGSSYLGIPIF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PGGT1B protein geranylgeranyltransferase type I, beta subunit [Homo sapiens (human)]
Official Symbol	PGGT1B
Synonyms	PGGT1B; protein geranylgeranyltransferase type I, beta subunit; BGGI; GGTI; geranylgeranyl transferase type-1 subunit beta; GGTase-I-beta; geranylgeranyltransferase type I beta subunit; geranylgeranyl transferase type I subunit beta; type I protein geranyl-geranyltransferase subunit beta;
Entrez Gene ID	5229
Protein Refseq	NP_005014
UniProt ID	P53609
Chromosome Location	5q22.3
Function	CAAX-protein geranylgeranyltransferase activity; protein geranylgeranyltransferase activity; zinc ion binding;