



Rabbit Anti-PGGT1B antibody

SL9372R

Product Name:	PGGT1B
Chinese Name:	香叶烯基转移酶1 β 抗体
Alias:	PGGT1B; GGTase-I beta; GGTase-1 beta; BGGI; Geranylgeranyl transferase type I subunit beta; Geranylgeranyl transferase type-1 subunit beta; GGTase-I-beta; GGTI; PGGT1B; PGTB1_HUMAN; Type I protein geranyl-geranyltransferase subunit beta;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PGGT1 beta:301-377/377
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 FNFA

gene encodes the alpha subunit for both GGTase-I and the related enzyme farnesyltransferase.[supplied by OMIM, Mar 2010]

Function:

Catalyzes the transfer of a geranyl-geranyl moiety from geranyl-geranyl pyrophosphate to a cysteine at the fourth position from the C-terminus of proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. Acts on the Rac1, Rac2, Rap1A and Rap1B proteins. The beta subunit is responsible for peptide-binding.

Subunit:

Heterodimer of an alpha and a beta subunit.

Similarity:

Belongs to the protein prenyltransferase subunit beta family.
Contains 4 PFTB repeats.

SWISS:

P53609

Gene ID:

5229

Database links:

[Entrez Gene: 5229](#) Human

[Entrez Gene: 225467](#) Mouse

[Entrez Gene: 81746](#) Rat

[Omim: 602031](#) Human

[SwissProt: P53609](#) Human

[SwissProt: Q8BUY9](#) Mouse

[SwissProt: P53610](#) Rat

[Unigene: 254006](#) Human

[Unigene: 262096](#) Mouse

[Unigene: 393044](#) Mouse

[Unigene: 10031](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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