



Rabbit Anti-PGGT1B antibody

SL9548R

Product Name:	PGGT1B
Chinese Name:	蛋白香叶烯基转移酶1 β (FT β) 抗体
Alias:	CAAX farnesyltransferase subunit beta; EC 2.5.1.58; EC=2.5.1.58; Farnesyltransferase; farnesyltransferase CAAX box beta1; farnesyltransferase, CAAX box, beta; FNTB; FNTB_HUMAN; FPTB; FTase beta; FTase-beta; Protein farnesyltransferase subunit beta; RAS proteins prenyltransferase beta; Ras proteins prenyltransferase subunit beta.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PGGT1B/FNTB:51-150/437
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:	Mammalian protein farnesyl transferases are heterodimeric proteins containing two nonidentical Alpha and beta subunits that attach farnesyl residues to a cysteine at the fourth position from the COOH terminus of several proteins, including nuclear lamins and p21Ras proteins. The natural substrates contain the Cys-A-A-Xaa recognition sequence, where the A residues are aliphatic and Xaa represents methionine, serine,

glutamine or cysteine. The purified farnesyl transferase is an a-b heterodimer. The beta subunit, which is known as FT beta, CAAX farnesyltransferase subunit beta, or Ras proteins prenyltransferase subunit beta, is a 437 amino acid protein that contains five PFTB repeats and binds the peptide substrate. The Alpha subunit is suspected to participate in formation of a stable complex with the substrate farnesyl pyrophosphate.

Function:

Catalyzes the transfer of a farnesyl moiety from farnesyl pyrophosphate to a cysteine at the fourth position from the C-terminus of several 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 5 PFTB repeats.

SWISS:

P53609

Gene ID:

5229

Database links:

[Entrez Gene: 5229](#)Human

[Omin: 602031](#)Human

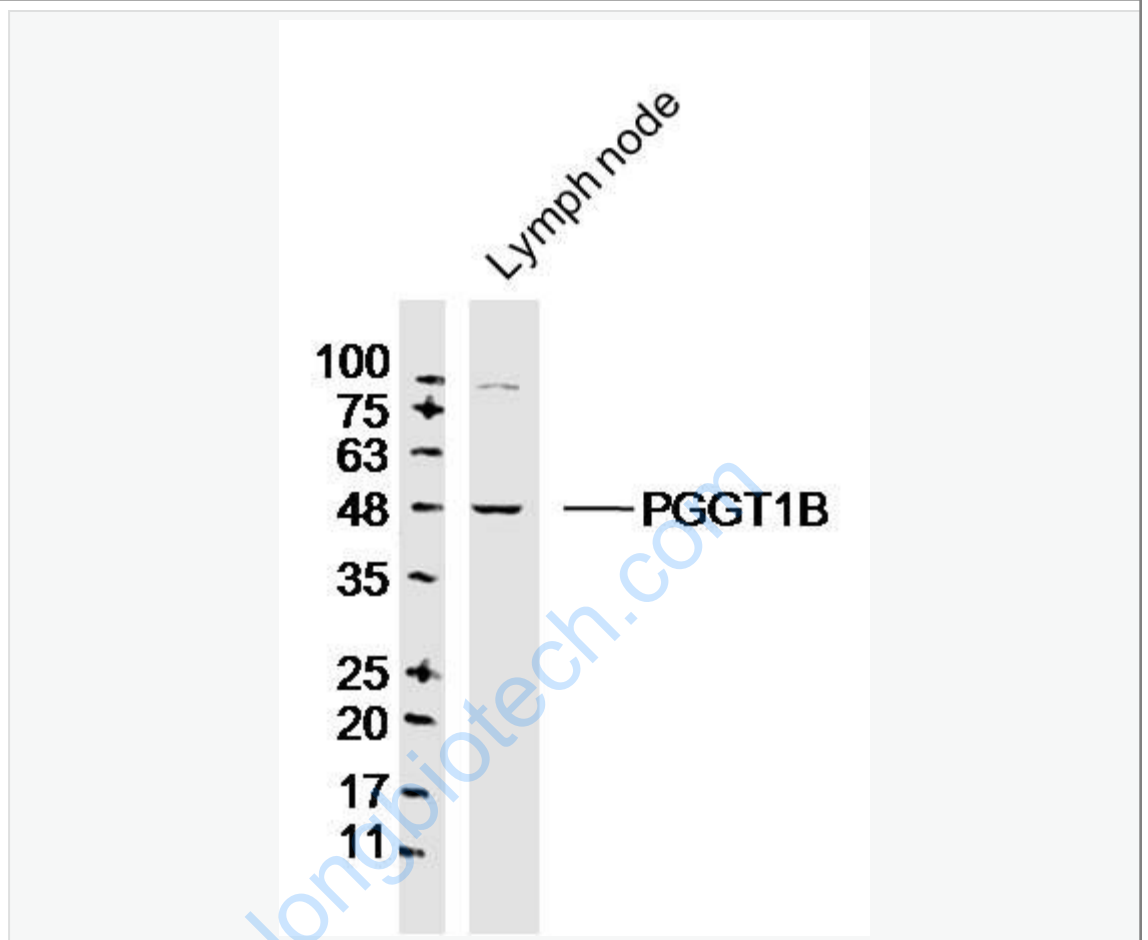
[SwissProt: P53609](#)Human

[Unigene: 254006](#)Human

Important Note:

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

Picture:



Sample: Lymph node (Mouse) Lysate at 40 ug

Primary: Anti-PGGT1B (SL9548R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49kD

Observed band size: 48kD