

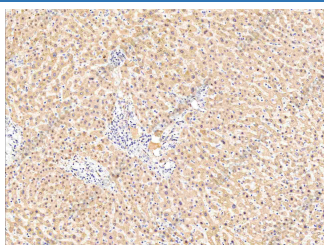
Recombinant FDPS/Farnesyl Diphosphate Synthase Monoclonal Antibody

catalog number: **AN300076P**

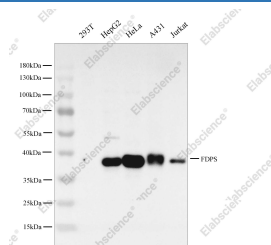
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human
Immunogen	Recombinant Human FDPS / Farnesyl Diphosphate Synthase protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C320058
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS
Applications	
Recommended Dilution	
WB:	1:1000-1:5000; IHC-P: 1:100-1:200; FC: 1:200-1:1000

Data



Immunohistochemical analysis of paraffin-embedded Human liver tissue sections using FDPS/Farnesyl Diphosphate Synthase Antibody (AN300076P) at a dilution of 1:150 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of 293T, HepG2, HeLa, A431 and Jurkat cell lysates using FDPS/Farnesyl Diphosphate Synthase Antibody (AN300076P) at a dilution of 1:1500.

Observed-MW:48 kDa

Calculated-MW:48 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

This gene encodes an enzyme that catalyzes the production of geranyl pyrophosphate and farnesyl pyrophosphate from isopentenyl pyrophosphate and dimethylallyl pyrophosphate. The resulting product, farnesyl pyrophosphate, is a key intermediate in cholesterol and sterol biosynthesis, a substrate for protein farnesylation and geranylgeranylation, and a ligand or agonist for certain hormone receptors and growth receptors. Drugs that inhibit this enzyme prevent the post-translational modifications of small GTPases and have been used to treat diseases related to bone resorption. Multiple pseudogenes have been found on chromosomes 1, 7, 14, 15, 21 and X. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2008]