

Rabbit anti-Ubiquitous Farnesyl Polyclonal Antibody | anti-FDPS antibody

Farnesyl

CATALOG # AAA60505	HOST Rabbit	REACTIVITY Ubiquitous	APPLICATIONS Immunofluorescence, ELISA
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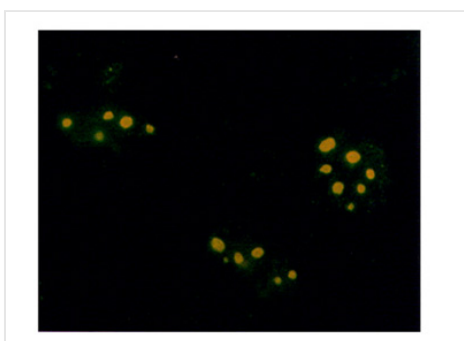
PRODUCT SYNONYMS

Farnesyl; Polyclonal Antibody; anti-FDPS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Ubiquitous
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Ammonium Sulfate Precipitation
Form/Format	Unconjugated
Sequence Length	419
Applicable Applications for anti-FDPS antibody	IF (Immunofluorescence), ELISA
Immunogen	Antibody developed using farnesyl cysteine conjugated to KLH.
Preparation and Storage	Product should be stored at -20 degree C. Aliquot to avoid freeze/thaw cycles Ship Conditions: Ship at ambient temperature, freeze upon arrival. Products are stable for one year from purchase when stored properly.

IMAGES



Application Data

Immunofluorescence assay using anti-Farnesyl antibody on plasmids encoding isoprenylated protein and visualized using FITC- conjugated goat anti-rabbit antibody

ADDITIONAL INFORMATION

Related Product Information for anti-FDPS antibody	Protein isoprenylation is a post-translational modification that affects about 0.5% of cellular proteins and is essential for the biological activity of proteins. Two enzymes catalyze the attachment of two prenyl groups to the sulfhydryl group of carboxyl-terminal cysteine groups. Proteins which are prenylated by these enzymes have a distinct motif at the C-terminal of the protein, C-A1-A2-X (C = Cysteine, A1 & A2 = aliphatic amino acids). The two enzymes involved in this transfer are farnesyltransferase and geranylgeranyltransferase. These transfer a 15 carbon farnesyl or a 20 carbon geranylgeranyl, respectively, from a prenyl-pyrophosphate to the protein. Examples of proteins containing this C-A-A-X motif are members of the Ras small G protein family, the nuclear lamins and the gamma subunit of trimeric G proteins. Prenylation of proteins is necessary for membrane association of proteins as well as protein-protein interactions and the nature of the linked isoprenyl group can influence the protein interactions, such as the interaction between G proteins and receptors.
Product Categories/Family for anti-FDPS antibody	Polyclonal Antibody ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	209571582
NCBI GeneID	2224
NCBI Accession #	NP_001129293.1
NCBI GenBank Nucleotide #	NM_001135821.1
UniProt Accession #	P14324 ; Q96G29 ; D3DV91 ; E9PC19
Molecular Weight	48,275 Da
NCBI Official Full Name	farnesyl pyrophosphate synthase isoform a
NCBI Official Synonym Full Names	farnesyl diphosphate synthase
NCBI Official Symbol	FDPS
NCBI Official Synonym Symbols	FPS; FPPS
NCBI Protein Information	farnesyl pyrophosphate synthase; FPP synthase; FPP synthetase; geranyltranstransferase; dimethylallyltranstransferase; (2E,6E)-farnesyl diphosphate synthase; farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase
UniProt Protein Name	Farnesyl pyrophosphate synthase
UniProt Gene Name	FDPS
UniProt Synonym Gene Names	FPS; KIAA1293; FPP synthase; FPS
UniProt Entry Name	FPPS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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