Datasheet for ABIN2774296

anti-FDPS antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	FDPS
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Horse, Pig, Rabbit, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FDPS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Sequence:	VKYKTAFYSF YLPIAAAMYM AGIDGEKEHA NAKKILLEMG EFFQIQDDYL
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 79%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against FDPS. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	FDPS
Alternative Name:	FDPS (FDPS Products)
Background:	This gene encodes an enzyme that catalyzes the production of geranyl pyrophosphate and

Target Details

	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. Alias Symbols: FPPS, FPS Protein Interaction Partner: UBC, SUMO2, NME1, IDH1, ADSS, NME1-NME2, STAMBP, TALDO1, SORD, PLS3, EGFR, EIF4ENIF1, ATXN1, FGFR1, Protein Size: 353
Molecular Weight:	38 kDa
Gene ID:	2224
NCBI Accession:	NM_001135822, NP_001129294
UniProt:	P14324
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 353 AA
Restrictions:	For Research Use only

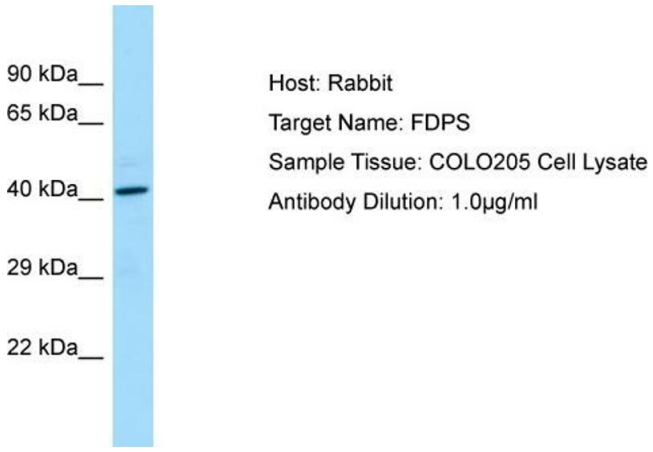
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit

Target Name: FDPS

Antibody Dilution: 1.0ug/ml

Sample Tissue: COLO205 cell lysate