

Datasheet for ABIN2856081

anti-FDPS antibody

5 Images

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Overview

Quantity:	100 µL
Target:	FDPS
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FDPS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human FDPS. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to FDPS (farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase)) FDPS antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	FDPS
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Target Details

Alternative Name:	farnesyl diphosphate synthase (FDPS Products)
Background:	<p>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.</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	48 kDa
Gene ID:	2224
UniProt:	P14324
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , rat liver
Restrictions:	For Research Use only

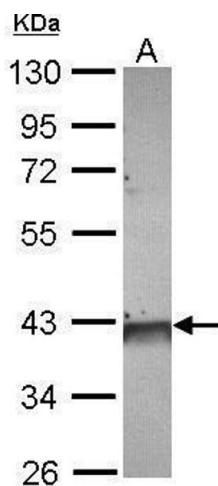
Handling

Format:	Liquid
Concentration:	1.75 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

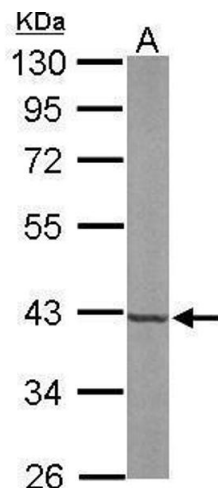
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



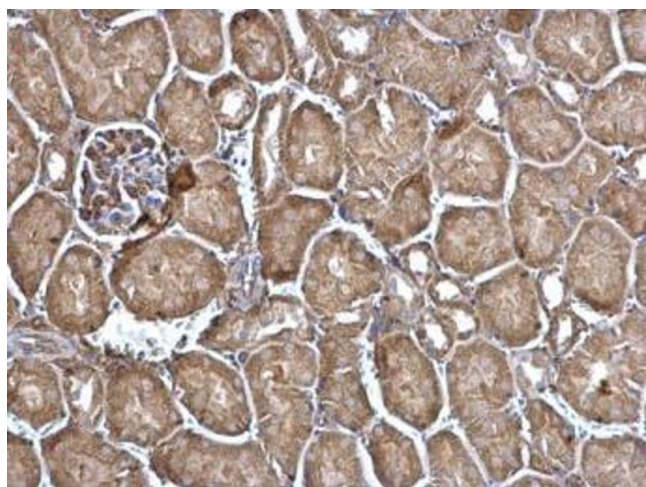
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: A549 10% SDS PAGE antibody diluted at 1:10000



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: mouse brain 10% SDS PAGE antibody diluted at 1:3000



Immunohistochemistry

Image 3. IHC-P Image FDPS antibody [N1C3] detects FDPS protein at cytosol on mouse kidney by immunohistochemical analysis. Sample: Paraffin-embedded mouse kidney. FDPS antibody [N1C3], dilution: 1:500.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2856081.