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Datasheet for ABIN7151424 anti-EFHD1 antibody (AA 15-72)

3 Images



Overview

Quantity:	100 µg
Target:	EFHD1
Binding Specificity:	AA 15-72
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EFHD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human EF-hand domain-containing protein D1 protein (15-72AA)
lsotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

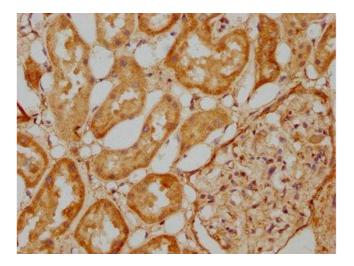
Target Details

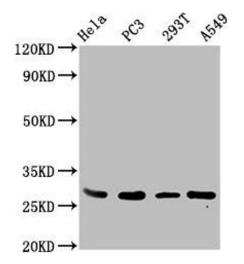
Target:	EFHD1
Alternative Name:	EFHD1 (EFHD1 Products)
Background:	Background: Acts as a calcium sensor for mitochondrial flash (mitoflash) activation, an event
	characterized by stochastic bursts of superoxide production (PubMed:26975899). May play a

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	role in neuronal differentiation (By similarity). Aliases: 4931430I01Rik antibody, AI452351 antibody, DKFZp781H0842, antibody, EF hand domain containing 1 antibody, EF hand domain family, member D1 antibody, EF-hand domain- containing protein 1 antibody, EF-hand domain-containing protein D1 antibody, EFHD1 antibody, EFHD1_HUMAN antibody, FLJ13612 antibody, MGC103094 antibody, Mitocalcin antibody, MST133 antibody, MSTP133 antibody, PP3051 antibody, RGD1559565 antibody,
	Swiprosin 2 antibody, Swiprosin-2 antibody, SWS2 antibody
UniProt:	Q9BUP0
Application Details	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt stars at 2000 at 2000. Avaid reported fragme

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



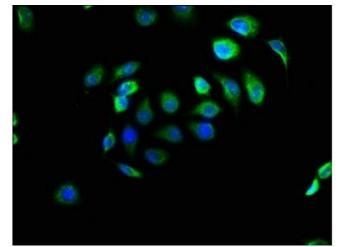


Immunohistochemistry

Image 1. IHC image of ABIN7151424 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, PC-3 whole cell lysate, 293T whole cell lysate, A549 whole cell lysate All lanes: EFHD1 antibody at 3.4μ g/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 27, 17 kDa Observed band size: 27 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of A549 cells with ABIN7151424 at 1:166, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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