

For Research Use Only

DDHD2 Polyclonal antibody

Catalog Number: 25203-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

25203-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 387 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18373

GenBank Accession Number:

BC010504

GeneID (NCBI):

23259

UNIPROT ID:

O94830

Full Name:

DDHD domain containing 2

Calculated MW:

711 aa, 81 kDa

Observed MW:

80-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat brain tissue, mouse lung tissue, mouse testis tissue

IHC : mouse brain tissue, mouse cerebellum tissue

IF/ICC : HEK-293 cells,

Background Information

DDHD2, also known as KIAA0725p, is a member of the intracellular phospholipase A1 (PLA1) protein family which comprises a group of enzymes that hydrolyze the sn-1 ester bond of phospholipids, producing 2-acyl-lysophospholipids and fatty acids. DDHD2 prefers phosphatidic acid as substrate and has a role in efficient membrane trafficking from the Golgi apparatus to the plasma membrane. The gene of DDHD2 maps to chromosome 8p11.23, and encodes a 711-amino-acid protein with a calculated molecular mass of 81 kDa. It has been reported that DDHD2 immunoblot analysis of various tissue extracts revealed two bands of 90 and 85 kDa (PMID: 11788596).

Notable Publications

Author	Pubmed ID	Journal	Application
Christoph Heier	28887301	J Biol Chem	WB
Chao Yang	31786011	Neuron	
Junjie Chu	33479208	Cell Death Dis	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

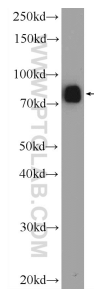
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

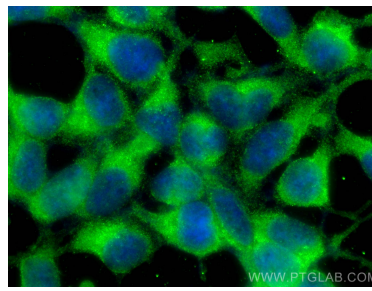
E: proteintech@ptglab.com
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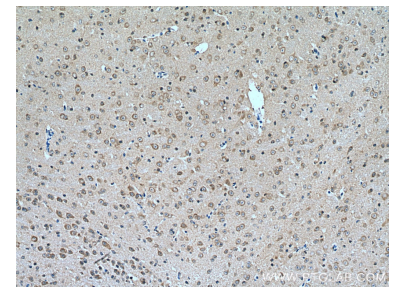
Selected Validation Data



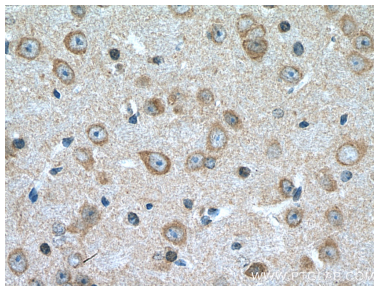
rat brain tissue were subjected to SDS PAGE followed by western blot with 25203-1-AP (DDHD2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using DDHD2 antibody (25203-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25203-1-AP (DDHD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25203-1-AP (DDHD2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).