

For Research Use Only

DDHD2 Polyclonal antibody

Catalog Number: 25203-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 25203-1-AP	GenBank Accession Number: BC010504	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23259	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: O94830	
Isotype: IgG	Full Name: DDHD domain containing 2	
Immunogen Catalog Number: AG18373	Calculated MW: 711 aa, 81 kDa	
	Observed MW: 80-90 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA	Positive Controls: WB : rat brain tissue, mouse lung tissue, mouse testis tissue IHC : mouse brain tissue, mouse cerebellum tissue IF : HEK-293 cells,
Cited Applications: WB, IP, IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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

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

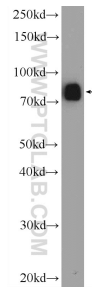
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

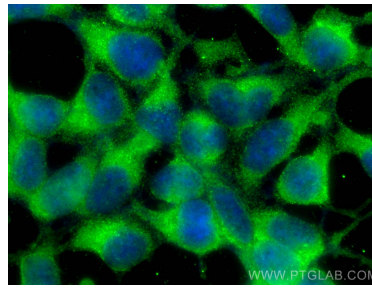
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

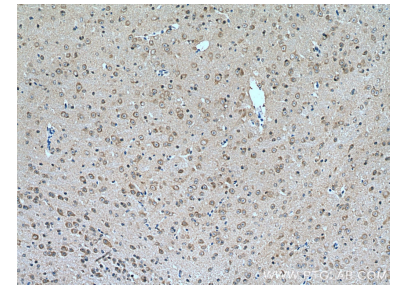
Selected Validation Data



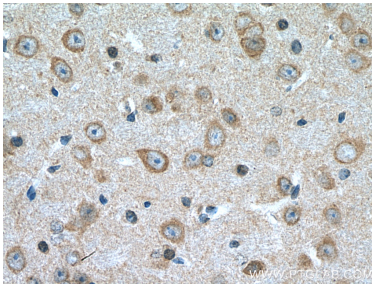
rat brain tissue were subjected to SDS PAGE followed by western blot with 25203-1-AP (DDHD2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 AffiniPure 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).