

For Research Use Only

# DDHD1 Polyclonal antibody

Catalog Number: 26297-1-AP



## Basic Information

<b>Catalog Number:</b> 26297-1-AP	<b>GenBank Accession Number:</b> BC030703	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 80821	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NEL9	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> DDHD domain containing 1	IHC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG23620	<b>Observed MW:</b> 100-110 kDa	IF/ICC 1:200-1:800

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IP, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> mouse brain tissue, mouse testis tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IP :</b> mouse brain tissue,
	<b>IHC :</b> mouse brain tissue,
	<b>IF/ICC :</b> HEK-293 cells,

## Background Information

DDHD1, also known as KIAA1705, 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. DDHD1 is highly expressed in the brain and testes. DDHD1 negatively controls the formation of a local phosphatidic acid-rich domain in recycling endosomes that serves as a membrane source for neurite outgrowth (PMID: 32850804).

## Storage

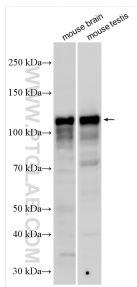
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

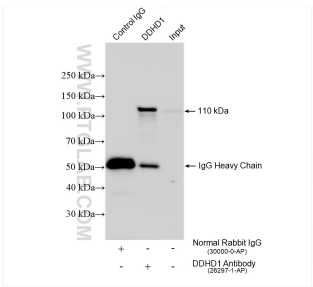
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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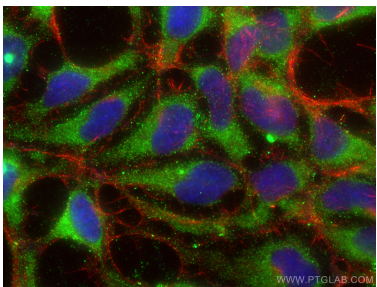
Selected Validation Data



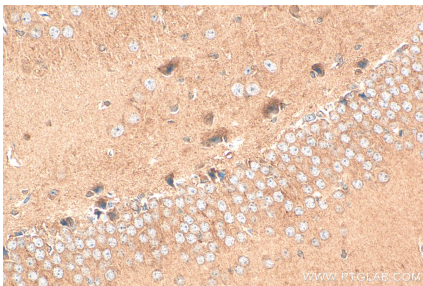
Various lysates were subjected to SDS PAGE followed by western blot with 26297-1-AP (DDHD1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-DDHD1 (IP:26297-1-AP, 4ug; Detection:26297-1-AP 1:800) with mouse brain tissue lysate 1680 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using DDHD1 antibody (26297-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26297-1-AP (DDHD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).