

For Research Use Only

DDRGK1 Polyclonal antibody

Catalog Number: 21445-1-AP

Featured Product

38 Publications



Basic Information

Catalog Number: 21445-1-AP	GenBank Accession Number: BC000643	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 65992	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:50-1:500 IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96HY6	
Isotype: IgG	Full Name: DDRGK domain containing 1	
Immunogen Catalog Number: AG13742	Calculated MW: 314 aa, 36 kDa	
	Observed MW: 36-46 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, bovine, goat

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 : HepG2 cells, PC-3 cells, mouse liver tissue, mouse lung tissue, rat liver tissue, rat lung tissue

IHC : mouse brain tissue, human pancreas tissue

IF/ICC : HepG2 cells,

Background Information

DDRGK1, also name as C20orf116, is a member of the DDRGK domain-containing protein family with unknown function. Depletion of DDRGK1 inhibits cell proliferation and invasion. Expression of NF- κ B target genes showed the most significant decrease after depleting of DDRGK1, suggesting that DDRGK1 may play an important role in the NF- κ B signaling pathway. DDRGK1 interacts with I κ B α and regulates its stability, thereby regulates the NF- κ B transcriptional activity. DDRGK1 acts as an important regulator of the NF- κ B pathway. (PMID: 23675531)
Catalog#21445-1-AP is a rabbit polyclonal antibody raised against the full-length of human DDRGK1.

Notable Publications

Author	Pubmed ID	Journal	Application
Joshua J Peter	36121123	EMBO J	WB
Jinbang Xiao	32986296	Reprod Domest Anim	WB,IHC
Lihui Wang	31595041	Cell Res	

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

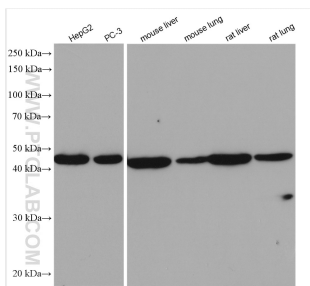
For technical support and original validation data for this product please contact:

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

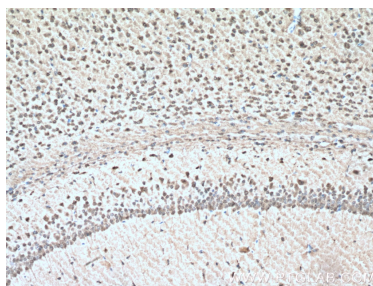
E: proteintech@ptglab.com
W: ptglab.com

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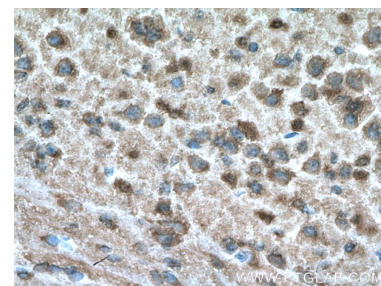
Selected Validation Data



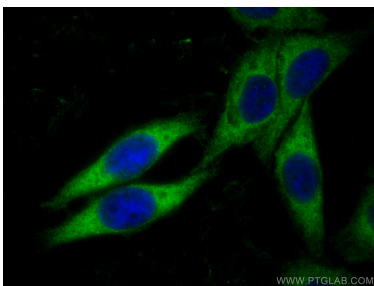
Various lysates were subjected to SDS PAGE followed by western blot with 21445-1-AP (DDRGK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21445-1-AP (DDRGK1 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 21445-1-AP (DDRGK1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DDRGK1 antibody (21445-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).