

For Research Use Only

DDRGK1 Polyclonal antibody

Catalog Number: 21445-1-AP

Featured Product

36 Publications



Basic Information

Catalog Number:

21445-1-AP

Concentration:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13742

GenBank Accession Number:

BC000643

GeneID (NCBI):

65992

UNIPROT ID:

Q96HY6

Full Name:

DDRGK domain containing 1

Calculated MW:

314 aa, 36 kDa

Observed MW:

36-46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

IF/ICC 1:50-1:500

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-κB target genes showed the most significant decrease after depleting of DDRGK1, suggesting that DDRGK1 may play an important role in the NF-κB signaling pathway. DDRGK1 interacts with IκBα and regulates its stability, thereby regulates the NF-κB transcriptional activity. DDRGK1 acts as an important regulator of the NF-κB 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

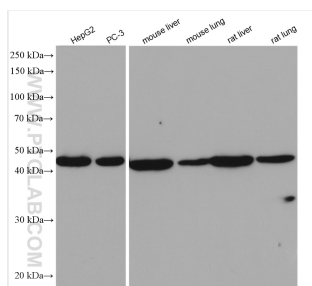
T: 4006900926

E: Proteintech-CN@ptglab.com

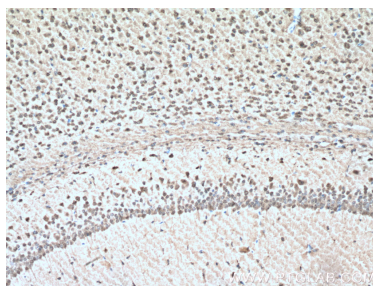
W: ptgcn.com

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

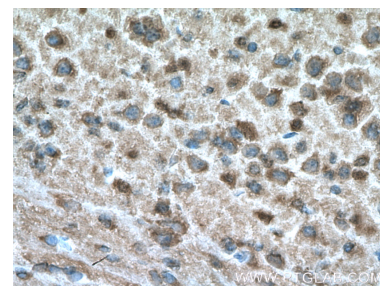
Selected Validation Data



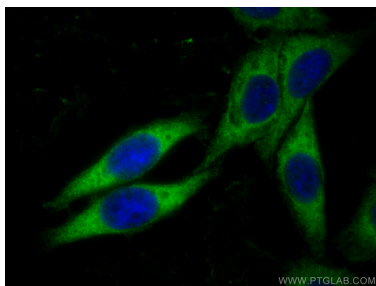
Various lysates were subjected to SDS PAGE followed by western blot with 21445-1-AP (DDRGK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).