

For Research Use Only

DDR GK1 Polyclonal antibody

Catalog Number: 21445-1-AP

Featured Product

25 Publications



Basic Information

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

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

CoIP, IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, goat, mouse, bovine

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 : HepG2 cells,

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

DDR GK1, also name as C20orf116, is a member of the DDR GK domain-containing protein family with unknown function. Depletion of DDR GK1 inhibits cell proliferation and invasion. Expression of NF-κB target genes showed the most significant decrease after depleting of DDR GK1, suggesting that DDR GK1 may play an important role in the NF-κB signaling pathway. DDR GK1 interacts with IκBα and regulates its stability, thereby regulates the NF-κB transcriptional activity. DDR GK1 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 DDR GK1.

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

*** 20ul sizes contain 0.1% BSA

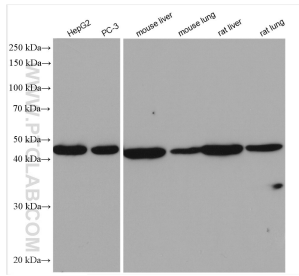
For technical support and original validation data for this product please contact:

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

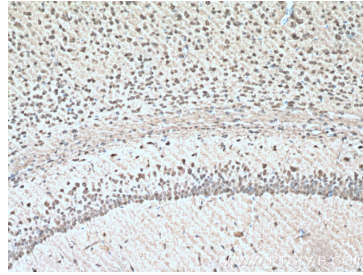
E: proteintech@ptglab.com
W: ptglab.com

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

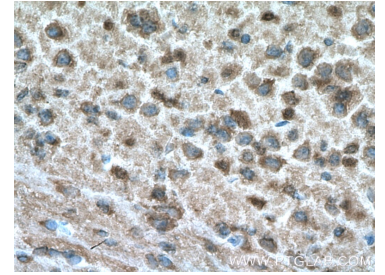
Selected Validation Data



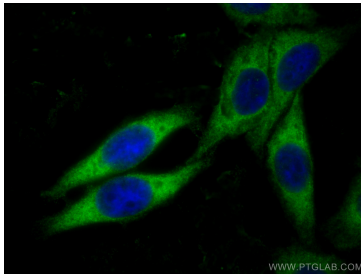
Various lysates were subjected to SDS PAGE followed by western blot with 21445-1-AP (DDRGI1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21445-1-AP (DDRGI1 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 (DDRGI1 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 DDRGI1 antibody (21445-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).