

For Research Use Only

DDRGK1 Polyclonal antibody

Catalog Number: 21445-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number: 21445-1-AP	GenBank Accession Number: BC000643	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65992	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: DDRGK 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	Positive Controls: WB : mouse liver tissue, mouse spleen tissue, mouse brain tissue IHC : mouse brain tissue, human pancreas tissue IF : HepG2 cells,
Cited Applications: IF, IHC, IP, WB	
Species Specificity: human, mouse	
Cited Species: bovine, goat, human, 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

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
Jinbang Xiao	32986296	Reprod Domest Anim	WB, IHC
Lihui Wang	31595041	Cell Res	
Ying Zhu	29533670	J Proteome Res	WB, IP

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

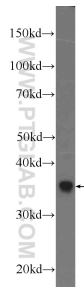
For technical support and original validation data for this product please contact:

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

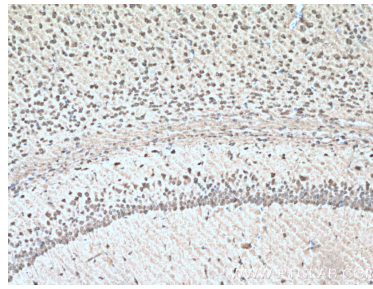
E: proteintech@ptglab.com
W: ptglab.com

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

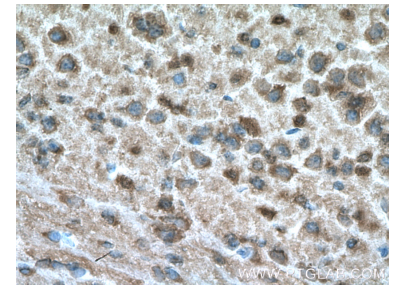
Selected Validation Data



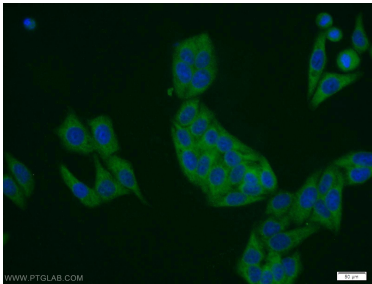
mouse liver tissue were subjected to SDS PAGE followed by western blot with 21445-1-AP (DDRKG1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21445-1-AP (DDRKG1 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 (DDRKG1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 21445-1-AP (DDRKG1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).