

For Research Use Only

HIPK2 Polyclonal antibody

Catalog Number: 55408-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

55408-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_022740

GeneID (NCBI):

28996

UNIPROT ID:

Q9H2X6

Full Name:

homeodomain interacting protein kinase 2

Calculated MW:

131 kDa

Observed MW:

131 kDa, 101 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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: mouse kidney tissue,

IHC: mouse brain tissue, human gliomas tissue, human renal cell carcinoma tissue, mouse heart tissue, mouse kidney tissue, rat brain tissue, rat heart tissue, rat kidney tissue

Background Information

HIPK2 is a serine/threonine kinase participating in transcriptional regulation, growth control, and apoptosis. The kinase contributes to the regulation of remarkably diverse pathways such as p53 activation or Wnt signaling. There is very low levels of HIPK2 protein expression in several thyroid tumors and the combination of HIPK2 and Gal-3, would be helpful in ameliorating the preoperative recognition of thyroid cancer. HIPK2 may represent a new tumour suppressor gene for these types of cancers and may constitute a new potential promising diagnostic marker and therapeutic target. (PMID:21698151).

Notable Publications

Author	Pubmed ID	Journal	Application
Qiulian Zhou	36182775	EBioMedicine	IF
Hui-Ying Hu	30936013	Int J Biol Macromol	WB
Qiqi Yu	34973299	Microvasc Res	IHC

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

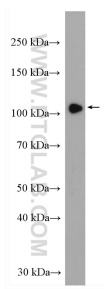
For technical support and original validation data for this product please contact:

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

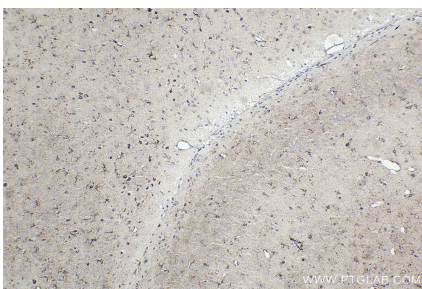
E: proteintech@ptglab.com
W: ptglab.com

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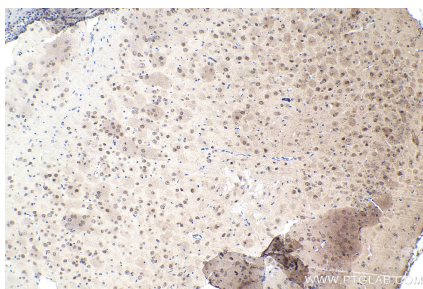
Selected Validation Data



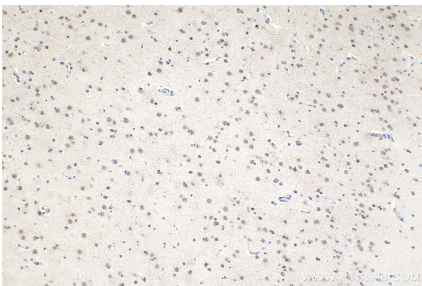
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 55408-1-AP (HIPK2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



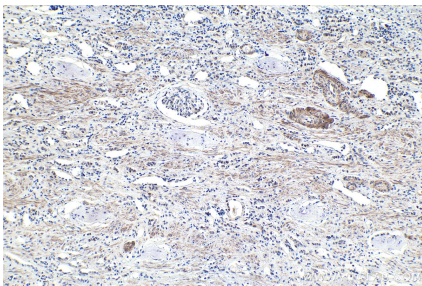
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



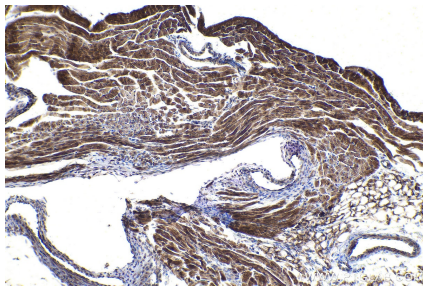
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



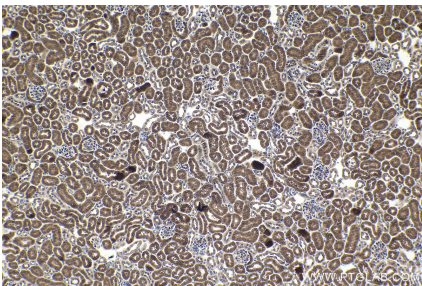
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



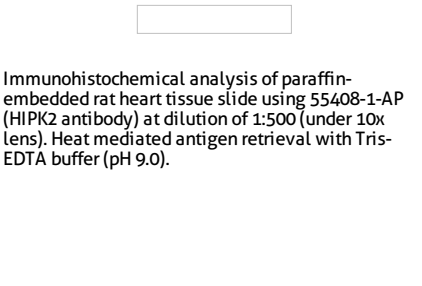
Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



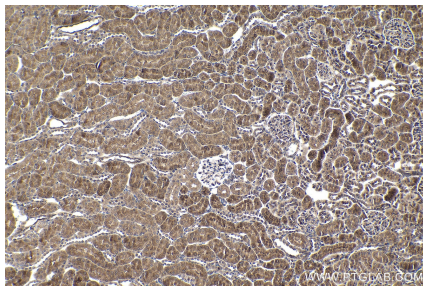
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 55408-1-AP (HIPK2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).