

For Research Use Only

HIP1-Specific Polyclonal antibody

Catalog Number:19688-1-AP



Basic Information

Catalog Number:

19688-1-AP

Size:

150ul , Concentration: 300 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005338

GeneID (NCBI):

3092

UNIPROT ID:

O00291

Full Name:

huntingtin interacting protein 1

Calculated MW:

116 kDa

Observed MW:

116 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Species Specificity:

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 : HEK-293 cells, mouse colon tissue, COLO 320 cells

IP : HEK-293 cells,

IHC : human prostate cancer tissue, human colon cancer tissue

Background Information

HIP1 (huntingtin interacting protein-1) is an endocytic protein that plays a role in clathrin-mediated endocytosis and trafficking. HIP1 can interact with huntingtin (HTT) protein whose mutations cause Huntington's disease (HD), thus gets involved in neurodegeneration. By stabilizing receptor tyrosine kinases following ligand-induced endocytosis, HIP1 may act to promote cell survival. HIP1 is overexpressed in a variety of human cancers and may be a potential predictor for cancer progression and prognosis.

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**

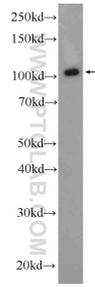
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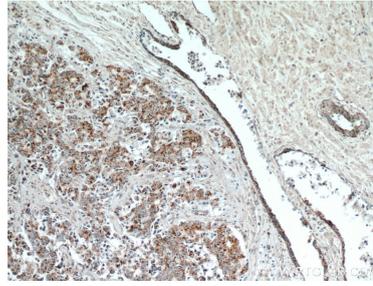
E: proteintech@ptglab.com
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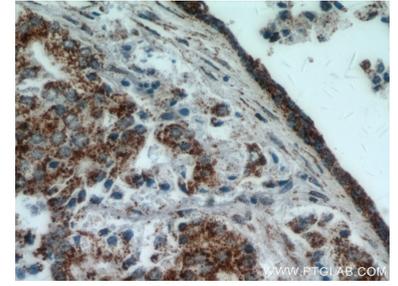
Selected Validation Data



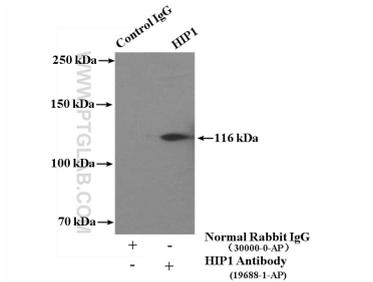
HEK-293 cells were subjected to SDS PAGE followed by western blot with 19688-1-AP (HIP1-Specific Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 19688-1-AP (HIP1-Specific antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 19688-1-AP (HIP1-Specific antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-HIP1-Specific (IP:19688-1-AP, 4ug; Detection:19688-1-AP 1:1000) with HEK-293 cells lysate 2400ug.