

For Research Use Only

HUS1 Polyclonal antibody

Catalog Number: 11223-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

11223-1-AP

Concentration:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1744

GenBank Accession Number:

BC007013

GeneID (NCBI):

3364

UNIPROT ID:

O60921

Full Name:

HUS1 checkpoint homolog (S. pombe)

Calculated MW:

32 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:300-1:1000

IHC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

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 : BxPC-3 cells,

IHC : human colon cancer tissue,

Background Information

Hus1 belongs to the Rad family, form a heterotrimeric clamp with Rad1 and Rad9 that acts as a putative sensor for DNA damage. This complex plays an apical role in the DNA damage response, loss of a functional complex affects many downstream checkpoint pathways [PMID: 11340080]. It is also a key complex involved in the activation of the ATR pathway. 9-1-1 forms a ring-shaped heterotrimer, resembling the homotrimeric sliding clamp, proliferating cell nuclear antigen (PCNA) [PMID: 19535328].

Notable Publications

Author	Pubmed ID	Journal	Application
Zi-Qi Zhou	30182378	Mol Carcinog	WB, IHC
Xiaoli Xu	30184152	J Mol Cell Biol	WB
Xiaohang Qiao	32554494	Proc Natl Acad Sci U S A	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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E: Proteintech-CN@ptglab.com

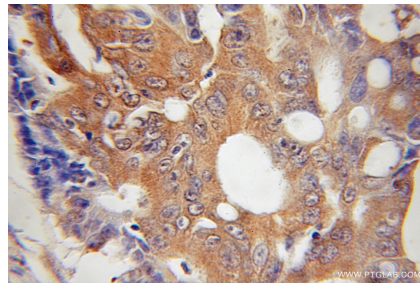
W: ptgcn.com

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Selected Validation Data



BxPC-3 cells were subjected to SDS PAGE followed by western blot with 11223-1-AP (HUS1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11223-1-AP (HUS1 antibody) at dilution of 1:50 (under 10x lens).