

HUS1 Rabbit Polyclonal Antibody



CAB5407

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

35kDa

Calculated MW:

29kDa/31kDa

Applications:

WB IF IP

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 -
1:100 IP 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

The protein encoded by this gene is a component of an evolutionarily conserved, genotoxin-activated checkpoint complex that is involved in the cell cycle arrest in response to DNA damage. This protein forms a heterotrimeric complex with checkpoint proteins RAD9 and RAD1. In response to DNA damage, the trimeric complex interacts with another protein complex consisting of checkpoint protein RAD17 and four small subunits of the replication factor C (RFC), which loads the combined complex onto the chromatin. The DNA damage induced chromatin binding has been shown to depend on the activation of the checkpoint kinase ATM, and is thought to be an early checkpoint signaling event. Alternative splicing results in multiple transcript variants.

Immunogen information

Gene ID:

3364

Uniprot

O60921

Synonyms:

HUS1; hHUS1

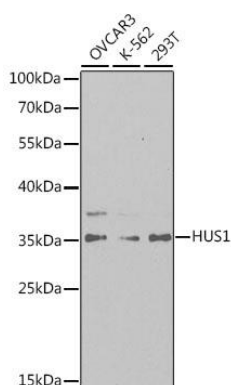
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human HUS1 (NP_004498.1).

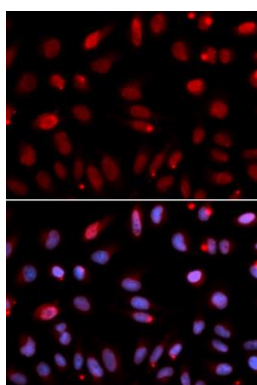
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

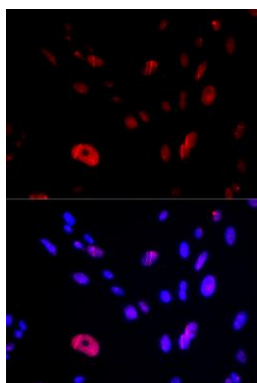
Product Images



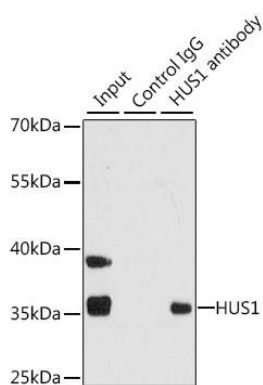
Western blot analysis of extracts of various cell lines, using HUS1 antibody (CAB5407) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 180s.



Immunofluorescence analysis of U2OS cells using HUS1 antibody (CAB5407). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using HUS1 antibody (CAB5407). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of 293T cells using 1ug HUS1 antibody (CAB5407). Western blot was performed from the immunoprecipitate using HUS1 antibody (CAB5407) at a dilution of 1:1000.