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HUS1 Polyclonal Antibody

(Catalog # A71418)

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.

Description
HUS1 Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Specificity
Human, Mouse

Isotype
IgG

Uniprot ID
O60921

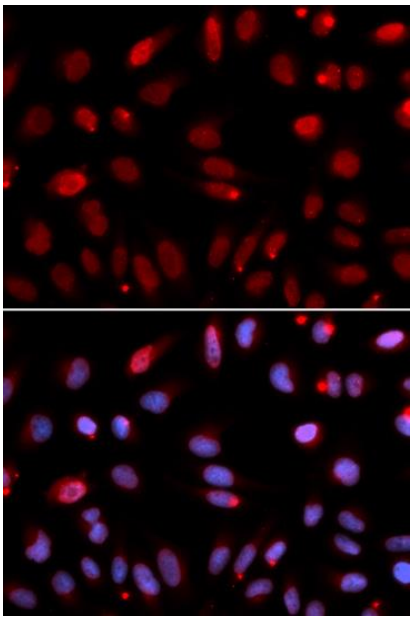
Purification
Affinity Purification

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

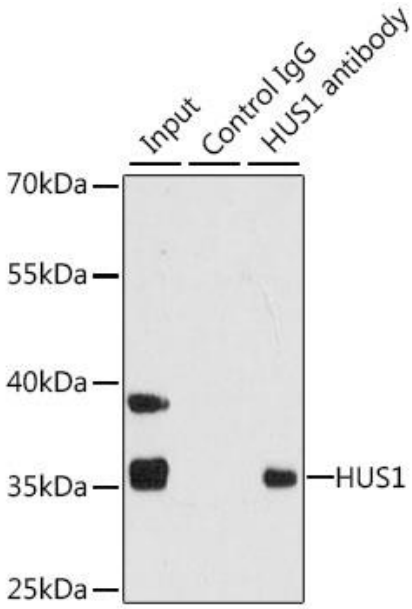
Storage
Shipped at 4°C. Upon receipt, store at -20°C. Avoid freeze / thaw cycles

Alternative Names
HUS1; hHUS1; checkpoint protein HUS1

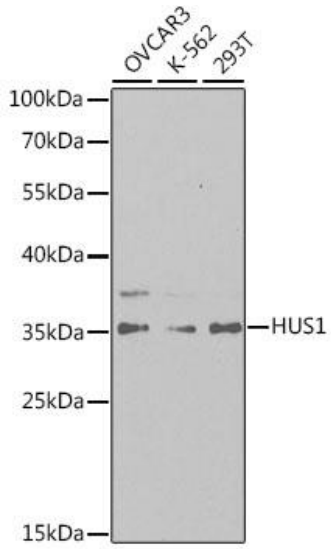
Application
WB, IF, IP; Recommended dilution: WB 1:500 - 1:2000, IF 1:50 - 1:100, IP 1:50 - 1:200



Immunofluorescence analysis of U2OS cells using HUS1 Polyclonal Antibody. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of 293T cells using 1ug HUS1 Polyclonal Antibody. Western blot was performed from the immunoprecipitate using HUS1 Polyclonal Antibody at a dilition of 1:1000.



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

