

## **Checkpoint Protein HUS1 (HUS1) Antibody**

Catalogue No.:abx004142



Western blot analysis of extracts of various cell lines, using HUS1 antibody (abx004142) at 1/1000 dilution.



Immunofluorescence analysis of U2OS cells using HUS1 antibody (abx004142). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using HUS1 antibody (abx004142). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of 293T cells using 1 µg HUS1 antibody (abx004142). Western blot was performed from the immunoprecipitate using HUS1 antibody (abx004142) at a dilition of 1/1000.

HUS1 Antibody is a Rabbit Polyclonal antibody against HUS1. 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.

## Datasheet Version: 2.0.0 Revision date: 24 May 2024



Target:	Checkpoint Protein HUS1 (HUS1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	WB, IF/ICC, IP
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/100, IP: 0.5-4 µg/200-400 µg whole cell extracts. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human HUS1.
lsotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O60921 ( <u>UniProt</u> , <u>ExPASy</u> )
Gene Symbol:	HUS1
GenelD:	3364
NCBI Accession:	NP_004498.1
KEGG:	hsa:3364
String:	<u>9606.ENSP00000258774</u>
Molecular Weight:	Calculated MW: 32 kDa Observed MW: 35 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	This product is for research use only.