Checkpoint protein HUS1 Polyclonal Antibody

Catalog No: #42214

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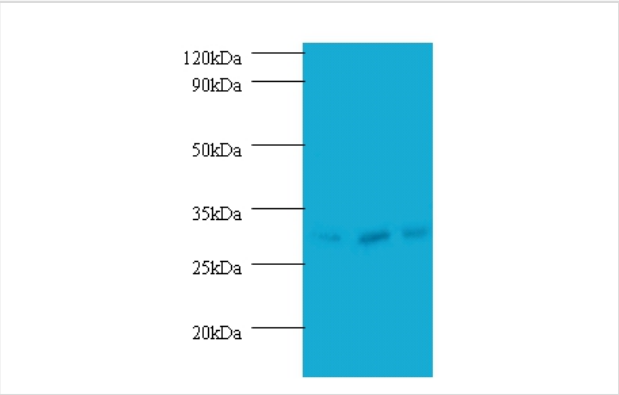
Description

Product Name	Checkpoint protein HUS1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Checkpoint protein HUS1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Checkpoint protein HUS1 protein
Target Name	Checkpoint protein HUS1
Other Names	HUS1
Accession No.	Swiss-Prot#: O60921
Uniprot	O60921
GeneID	3364;
Calculated MW	32kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:1000

Images



All lanes : Checkpoint protein HUS1 antibody at 2ug/ml
Lane 1:Hela whole cell lysate
Lane 2:293T whole cell lysate
Lane 2:A431 whole cell lysate
Secondary
Goat polyclonal to Rabbit IgG at 1/10000 dilution
Predicted band size:32kDa
Observed band size:32kDa

Background

Component of the 9-1-1 cell-cycle checkpoint response complex that plays a major role in DNA repair. The 9-1-1 complex is recruited to DNA lesion upon damage by the RAD17-replication factor C (RFC) clamp loader complex. Acts then as a sliding clamp platform on DNA for several proteins involved in long-patch base excision repair (LP-BER). The 9-1-1 complex stimulates DNA polymerase beta (POLB) activity by increasing its affinity for the 3'-OH end of the primer-template and stabilizes POLB to those sites where LP-BER proceeds; endonuclease FEN1 cleavage activity on substrates

with double, nick, or gap flaps of distinct sequences and lengths; and DNA ligase I (LIG1) on long-patch base excision repair substrates. The 9-1-1 complex is necessary for the recruitment of RHNO1 to sites of double-stranded breaks (DSB) occurring during the S phase.

References

[1]Hus1p, a conserved fission yeast checkpoint protein, interacts with Rad1p and is phosphorylated in response to DNA damage.Kostrub C.F., Knudsen K., Subramani S., Enoch T.EMBO J. 17:2055-2066(1998)[2]cDNA cloning and gene mapping of human homologs for

Note: This product is for in vitro research use only