

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000,
IHC:1:20-1:200, IF:1:50-1:200

Protein 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.

Gene ID:

HUS1

Uniprot

O60921

Synonyms:

Checkpoint protein HUS1 (hHUS1), HUS1

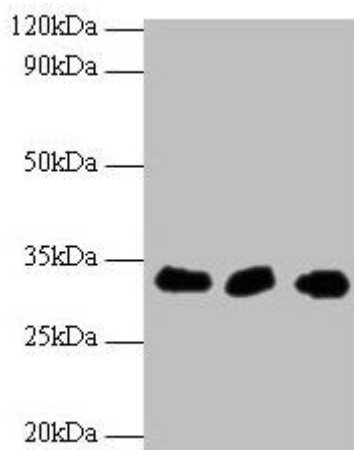
Immunogen:

Recombinant Human Checkpoint protein HUS1 protein (2-280AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Product Images



Western blot

All lanes: HUS1 antibody at 2 μ g/ml

Lane 1: HeLa whole cell lysate

Lane 2: 293T whole cell lysate

Lane 2: A431 whole cell lysate

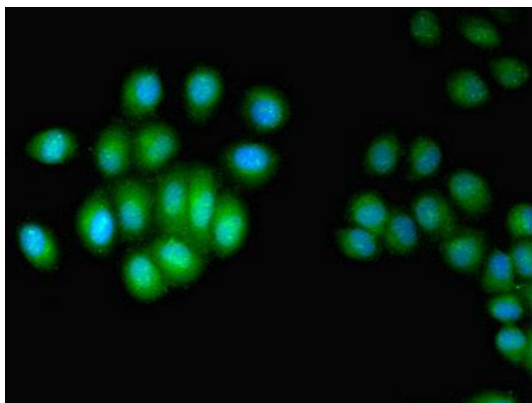
Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

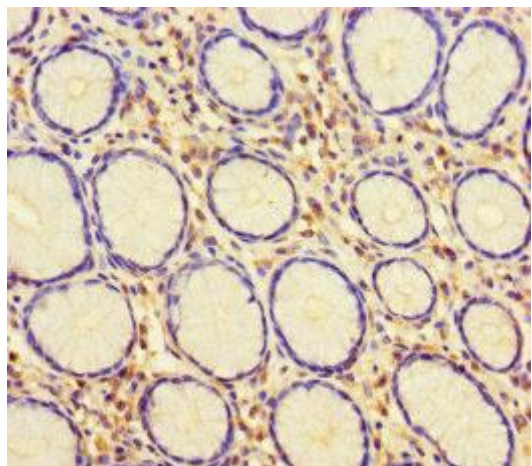
Predicted band size: 32, 30 kDa

Observed band size: 32 kDa

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Immunofluorescent analysis of A549 cells using PACO27473 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human gastric cancer using PACO27473 at dilution of 1:100.