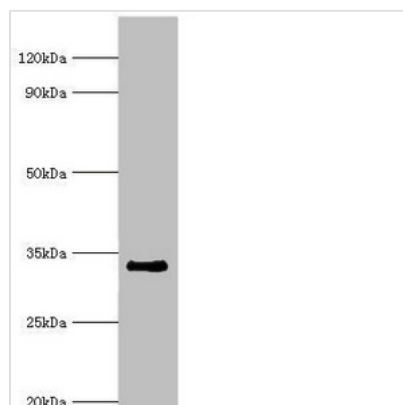




RAD1 Antibody

Product Code	CSB-PA019252ESR1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O60671
Immunogen	Recombinant Human Cell cycle checkpoint protein RAD1 protein (1-282AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200
Relevance	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. Isoform 1 possesses 3'\'->5'\' double stranded DNA exonuclease activity.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	Cell cycle checkpoint protein RAD1 (hRAD1) (EC 3.1.11.2) (DNA repair exonuclease rad1 homolog) (Rad1-like DNA damage checkpoint protein), RAD1, REC1
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	RAD1
Image	



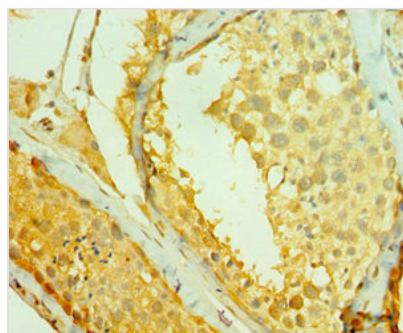
Western blot

All lanes: Cell cycle checkpoint protein RAD1
 antibody at 6 μ g/ml + NIH/3T3 whole cell lysate
 Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 32, 28, 8 kDa

Observed band size: 32 kDa



Immunohistochemistry of paraffin-embedded
 human testis tissue using CSB-
 PA019252ESR1HU at dilution of 1:100