

Rabbit RED Polyclonal Antibody | anti-RED antibody

RED Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325007	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

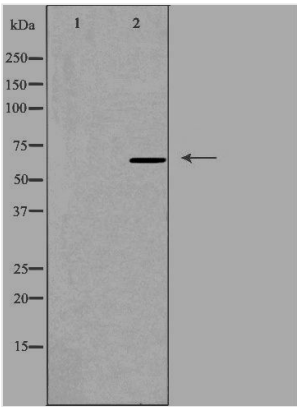
PRODUCT SYNONYMS

RED; Polyclonal Antibody; RED Antibody; chondrosarcoma associated protein 2; CSA2; Cytokine IK; IK; IK cytokine down regulator of HLA II; IK factor; IK Gene; prer protein; Protein Red; Protein RER; RD element; RED protein; RED_HUMAN; RER; anti-RED antibody

PRODUCT SPECIFICATIONS

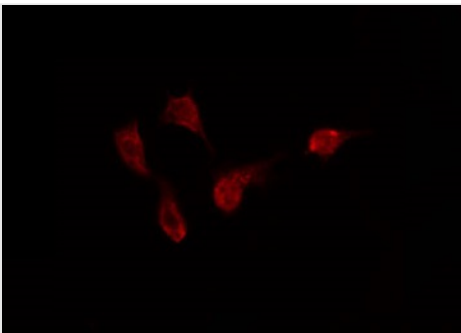
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RED antibody detects endogenous levels of total RED
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	557
Applicable Applications for anti-RED antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (87%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (93%), Xenopus (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using RED antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325007 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RED antibody	Function: Involved in pre-mRNA splicing as a component of the spliceosome (PubMed:28781166). Auxiliary spliceosomal protein that regulates selection of alternative splice sites in a small set of target pre-mRNA species (Probable). Required for normal mitotic cell cycle progression (PubMed:22351768, PubMed:24252166). Recruits MAD1L1 and MAD2L1 to kinetochores, and is required to trigger the spindle assembly checkpoint (PubMed:22351768). Required for normal accumulation of SMU1 (PubMed:24945353). Subunit Structure: (Microbial infection) Identified in a complex with SMU1 and influenza A virus RNA polymerase subunits PB1 and PB2. Directly interacts with SMU1 and with influenza A virus RNA polymerase subunits PB1 and PB2. Similarity: Belongs to the RED family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125988409
NCBI GeneID	3550
NCBI Accession #	NP_006074.2
NCBI GenBank Nucleotide #	NM_006083.3
UniProt Accession #	Q13123; Q6IPD8
Molecular Weight	Observed: 66 kD Predicted: 66 kDa
NCBI Official Full Name	protein Red
NCBI Official Synonym Full Names	IK cytokine
NCBI Official Symbol	IK
NCBI Official Synonym Symbols	RED; RER; CSA2
NCBI Protein Information	protein Red
UniProt Protein Name	Protein Red
UniProt Gene Name	IK
UniProt Synonym Gene Names	RED1 PublicationManual assertion based on opinion iniRef.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

