

Rabbit IK Polyclonal Antibody | anti-IK antibody

IK Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268815	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

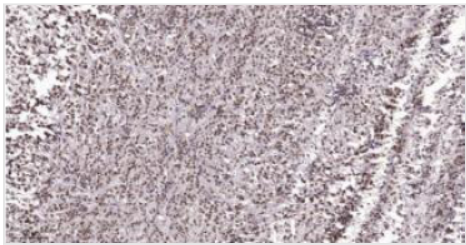
PRODUCT SYNONYMS

IK; Polyclonal Antibody; IK Polyclonal Antibody; anti-IK antibody

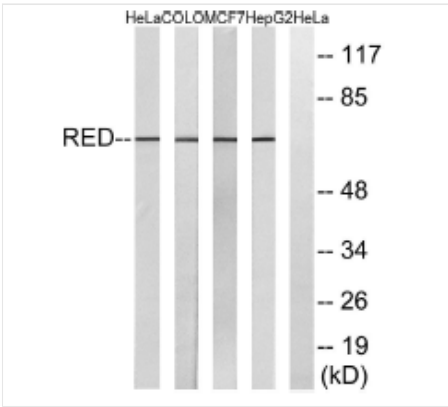
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IK Polyclonal Antibody detects endogenous levels of IK protein
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Concentration	1 mg/mL (varies by lot)
Sequence Length	557
Applicable Applications for anti-IK antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized peptide derived from human RED. AA range:508-557.
Function	caution: Was originally (PubMed:7970704) thought to be the IK factor, a cytokine involved in the negative regulatory pathway of constitutive MHC class II antigens expression developmental stage: Expressed at similar levels in fetal and adult tissues.,function: Not known. May bind to chromatin.,PTM: Phosphorylated upon DNA damage, probably by ATM or ATR,similarity: Belongs to the RED family.,tissue specificity: Ubiquitous.
Subcellular Location	Nucleus. Nucleus, nucleoplasm . Chromosome . Cytoplasm, cytoskeleton, spindle pole . Predominantly present throughout the nucleoplasm during prometaphase, metaphase and anaphase. Is also detected in nuclear foci that are not identical with Cajal bodies. Starts to accumulate at chromosomes during telophase, and is nearly exclusively associated with chromosomes in newly divided cells (PubMed:24252166). Colocalizes with MAD1L1 at mitotic spindle poles during metaphase and anaphase (PubMed:22351768).
Expression	Ubiquitous.
Preparation and Storage	-15 degree to -25 degree /1 year (Do not lower than -25 degree.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200 (4 degree overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).



WB (Western Blot)
Western blot analysis of lysates from HepG2, MCF-7, COLO, and HeLa cells, using RED antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IK antibody	The protein encoded by this gene was identified by its RED repeat, a stretch of repeated arginine, glutamic acid and aspartic acid residues. The protein localizes to discrete dots within the nucleus, excluding the nucleolus. Its function is unknown. This gene maps to chromosome 5; however, a pseudogene may exist on chromosome 2. [provided by RefSeq, Jul 2008].
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125988409
NCBI GeneID	3550
NCBI Accession #	NP_006074.2
NCBI GenBank Nucleotide #	NP_006074.2
UniProt Accession #	Q13123
Molecular Weight	65kDa
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	RED; RER
UniProt Entry Name	RED_HUMAN

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.