



IK Monoclonal Antibody

Catalog No	YP-mAb-16741
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IK
Immunogen	The antiserum was produced against synthesized peptide derived from human RED. AA range:508-557
Specificity	IK Monoclonal Antibody detects endogenous levels of IK protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RED;Protein RER;Protein Red;IK factor;IK Cytokine;IK;RER;Cytokine IK
Observed Band	66kD
Calculated Molecular Weight	66kD
Cell Pathway	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). .
Tissue Specificity	Ubiquitous.
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.,



Background

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],

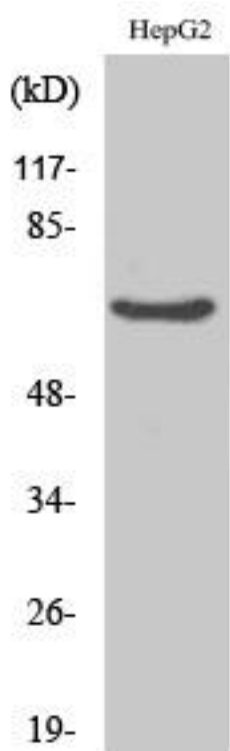
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using IK Monoclonal Antibody