10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Ik Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13293

Product Information

Application	WB
Primary Accession	Q9Z1M8
Other Accession	NM_011879, NP_036009
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65616

Additional Information

Gene ID	24010
Alias Symbol	MuRED
Other Names	Protein Red, Cytokine IK, IK factor, Protein RER, Ik, Red, Rer
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Ik antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Ik Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Ik
Synonyms	Red, Rer
Function	Involved in pre-mRNA splicing as a component of the spliceosome. Auxiliary spliceosomal protein that regulates selection of alternative splice sites in a small set of target pre-mRNA species. Required for normal mitotic cell cycle progression. Recruits MAD1L1 and MAD2L1 to kinetochores, and is required to trigger the spindle assembly checkpoint. Required for normal accumulation of SMU1.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q13123}. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q13123}. Chromosome

{ECO:0000250|UniProtKB:Q13123}. Cytoplasm, cytoskeleton, spindle pole {ECO:0000250|UniProtKB:Q13123}. Note=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 Colocalizes with MAD1L1 at mitotic spindle poles during metaphase and anaphase. {ECO:0000250|UniProtKB:Q13123}

Tissue Location Ubiquitous.

References

Assier E.,et al.Gene 230:145-154(1999).
Trinidad J.C.,et al.Mol. Cell. Proteomics 5:914-922(2006).
Park J.,et al.Mol. Cell 50:919-930(2013).

Images

Host: Rabbit
Target Name: Ik
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.