

Cytokine IK Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51280**Specification**

Cytokine IK Antibody - Product Information

Application	WB
Primary Accession	Q13123
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66 KDa
Antigen Region	491 - 550

Cytokine IK Antibody - Additional Information**Gene ID** 3550**Other Names**

Protein Red, Cytokine IK, IK factor, Protein RER, IK, RED, RER

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cytokine IK. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Cytokine IK Antibody - Protein Information**Name** IK**Synonyms** RED {ECO:0000303|PubMed:10216252}, RER**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).

Cellular Location

Nucleus. Nucleus, nucleoplasm. Chromosome. Cytoplasm, cytoskeleton, spindle pole.
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 (PubMed:24252166). Colocalizes with MAD1L1 at mitotic spindle poles during metaphase and anaphase (PubMed:22351768)

Tissue Location

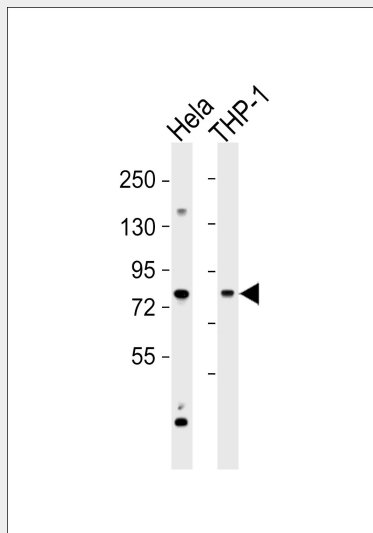
Ubiquitous..

Cytokine IK Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cytokine IK Antibody - Images



All lanes : Anti-Cytokine IK Antibody at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: THP-1 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

Cytokine IK Antibody - Background

May bind to chromatin.

Cytokine IK Antibody - References

Assier E.,et al.Gene 230:145-154(1999).
Schmutz J.,et al.Nature 431:268-274(2004).
Krief P.,et al.Oncogene 9:3449-3456(1994).
Matsuoka S.,et al.Science 316:1160-1166(2007).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).