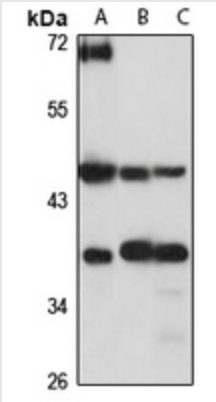
KIN17 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KIN17, Polyclonal Antibody
Full Product Name	Anti-KIN17 Antibody
Product Gene Name	anti-KIN17 antibody
Product Synonym Gene Name	KIN
Product Synonym Names	BTCD; KIN17; DNA/RNA-binding protein KIN17; Binding to curved DNA; KIN antigenic determinant of recA protein homolog
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of KIN17 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	393
OMIM	601720
3D Structure	ModBase 3D Structure for O60870
Immunogen	Recombinant fusion protein of human KIN17. The exact sequence is proprietary.
Applications Tested/Suitable for anti-KIN17 antibody	Western Blot (WB)
Application Notes for anti-KIN17 antibody	WB: 1:500-1:2000
Related Product Information for anti-KIN17 antibody	MBS8307078 is an antibody targeting KIN17. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to KIN17
Other Notes	Small volumes of anti-KIN17 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-KIN17 antibody
Western blot analysis of KIN17 expression in HeLa (A), mouse testis (B), rat thymus (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KIN17. It may not necessarily be applicable to this product.

NCBI GI #	74762109
NCBI GeneID	22944
NCBI Accession #	O60870.2
UniProt Primary Accession #	O60870
UniProt Secondary Accession #	Q8K339
UniProt Related Accession #	O60870
NCBI Official Full Name	DNA/RNA-binding protein KIN17
NCBI Official Synonym Full Names	Kin17 DNA and RNA binding protein
NCBI Official Symbol	KIN
NCBI Official Synonym Symbols	BTCD; Rts2; KIN17
UniProt Protein Name	DNA/RNA-binding protein KIN17
UniProt Synonym Protein Names	Binding to curved DNA; KIN, antigenic determinant of recA protein homolog
Protein Family	KIN17-like protein
UniProt Gene Name	KIN
UniProt Entry Name	KIN17_HUMAN
NCBI Protein Information	DNA/RNA-binding protein KIN17; binding to curved DNA; KIN, antigenic determinant of recA protein homolog
NCBI Summary for KIN17	The protein encoded by this gene is a nuclear protein that forms intranuclear foci during proliferation and is redistributed in the nucleoplasm during the cell cycle. Short-wave ultraviolet light provokes the relocalization of the protein, suggesting its participation in the cellular response to DNA damage. Originally selected based on protein-binding with RecA antibodies, the mouse protein presents a limited similarity with a functional domain of the bacterial RecA protein, a characteristic shared by this human ortholog. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]

UniProt Comments for KIN17	KIN: Involved in DNA replication and the cellular response to DNA damage. May participate in DNA replication factories and create a bridge between DNA replication and repair mediated by high molecular weight complexes. May play a role in illegitimate recombination and regulation of gene expression. May participate in mRNA processing. Binds, in vitro, to double-stranded DNA. Also shown to bind preferentially to curved DNA in vitro and in vivo. Binds via its C-terminal domain to RNA in vitro. Belongs to the KIN17 family. Protein type: C2H2-type zinc finger protein; DNA replication Chromosomal Location of Human Ortholog: 10p14 Cellular Component: nuclear matrix; intracellular membrane-bound organelle; cytoplasm; nucleus Molecular Function: DNA binding; RNA binding; metal ion binding; double-stranded DNA binding Biological Process: viral reproduction; DNA replication; mRNA processing; DNA repair; response to DNA damage stimulus; DNA recombination
Research Articles on KIN17	**1.** overexpression of KIN rendered colorectal cancer cells enriching cancer stem cell (CSC) markers and CSC phenotype, and silencing KIN reduced CSC markers and CSC phenotype.
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