

KIN antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10340

Product Information

Application	WB
Primary Accession	O60870
Other Accession	NM_012311 , NP_036443
Reactivity	Human, Mouse, Rat, Dog, Bovine
Predicted	Human, Mouse, Rat, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45374

Additional Information

Gene ID	22944
Alias Symbol	BTCD, KIN17
Other Names	DNA/RNA-binding protein KIN17, Binding to curved DNA, KIN, antigenic determinant of recA protein homolog, KIN (HGNC:6327), BTCD, KIN17
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-KIN 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	KIN antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

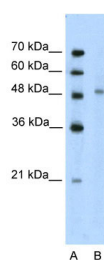
Name	KIN (HGNC:6327)
Synonyms	BTCD, KIN17
Function	Involved in DNA replication and the cellular response to DNA damage. May participate in DNA replication factories and create a bridge between DNA replication and repair mediated by high molecular weight complexes. May play a role in illegitimate recombination 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 (By similarity). Binds via its C-terminal domain to RNA in vitro.

Cellular Location	Nucleus. Cytoplasm. Note=During S phase, strongly associated with the nuclear matrix, and to chromosomal DNA in the presence of DNA damage. Also shows cytoplasmic localization in elongated spermatids {ECO:0000250 UniProtKB:Q8K339, ECO:0000269 PubMed:11880372, ECO:0000269 PubMed:12359749, ECO:0000269 PubMed:12754299, ECO:0000269 PubMed:12853634, ECO:0000269 PubMed:15831485}
Tissue Location	Ubiquitously expressed in all tissues examined, with highest levels in skeletal muscle, heart and testis Differentially expressed in non-tumorigenic and tumorigenic cell lines Highly expressed in proliferating epithelial keratinocyte cells in vitro (at protein level).

References

le Acta Crystallograph. Sect. F Struct. Biol. Cryst. Commun. 62 (PTReconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-KIN Antibody Titration: 2.5ug/ml
Positive Control: Jurkat cell lysate

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