NRK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NRK, Polyclonal Antibody
Full Product Name	NRK Rabbit Polyclonal Antibody
Product Gene Name	anti-NRK antibody
Product Synonym Names	BH6842; Nik-related protein kinase (EC 2.7.11.1)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	NRK Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	21,368 Da
OMIM	BX538345 mRNA
3D Structure	ModBase 3D Structure for Q7Z2Y5
Immunogen	Synthesized peptide derived from part region of human protein
Modification	Unmodified/Total
Applications Tested/Suitable for anti-NRK antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NRK antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-NRK antibody	Nik related kinase (NRK) Homo sapiens The mouse ortholog of this gene encodes a protein kinase requiredfor JNK activation. The encoded protein may be involved in the induction of actin polymerization in late embryogenesis.[provided by RefSeq, Jun 2010]
Other Notes	Small volumes of anti-NRK 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.
Searchable Terms for NRK purchase	MBS9515806 is an antibody targeting NRK. Also known as NRK Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	118600963
NCBI GeneID	203447

NCBI Accession #	NP_940867.2
UniProt Primary Accession #	Q7Z2Y5
UniProt Secondary Accession #	Q32ND6; Q5H9K2; Q6ZMP2
UniProt Related Accession #	Q7Z2Y5
GenBank Nucleotide #	NM_198465.3
NCBI Official Full Name	nik-related protein kinase
NCBI Official Synonym Full Names	Nik related kinase
NCBI Official Symbol	NRK
NCBI Official Synonym Symbols	NESK
UniProt Protein Name	Nik-related protein kinase
Protein Family	Nik-related protein kinase
UniProt Gene Name	NRK
NCBI Protein Information	nik-related protein kinase
NCBI Summary for NRK	The mouse ortholog of this gene encodes a protein kinase required for JNK activation. The encoded protein may be involved in the induction of actin polymerization in late embryogenesis.[provided by RefSeq, Jun 2010]
UniProt Comments for NRK	NRK: May phosphorylate cofilin-1 and induce actin polymerization through this process, during the late stages of embryogenesis. Involved in the TNF-alpha-induced signaling pathway. Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.7.11.1; Kinase, protein; MSN subfamily; Protein kinase, STE; Protein kinase, Ser/Thr (non-receptor); STE group; STE20 family Chromosomal Location of Human Ortholog: Xq22.3 Cellular Component: cytoplasm Molecular Function: ATP binding; MAP kinase kinase kinase kinase activity Biological Process: activation of JNKK activity; activation of MAPKKK activity; negative regulation of cell proliferation; neuron projection morphogenesis; parturition; regulation of apoptosis; regulation of mitotic cell cycle; stress-activated protein kinase signaling pathway
Research Articles on NRK	**1.** The results suggest that Nrk suppresses the excessive proliferation of mammary epithelial cells during pregnancy, and the impairment of this regulatory system leads to frequent occurrence of breast tumor in Nrk mutant mice.
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