

## Immunotag™ Nek7 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3034
Product Description	Immunotag™ Nek7 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Nek7
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human NEK7. AA range:101-150
Specificity	Nek7 Polyclonal Antibody detects endogenous levels of Nek7 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	NEK7
Accession No.	Q8TDX7 Q9ES74
Alternate Names	NEK7; Serine/threonine-protein kinase Nek7; Never in mitosis A-related kinase 7; NimA-related protein kinase 7
Description	NIMA related kinase 7(NEK7) Homo sapiens NIMA-related kinases share high amino acid sequence identity with the gene product of the Aspergillus nidulans 'never in mitosis A' gene, which controls initiation of mitosis.[supplied by OMIM, Jul 2002],

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Protein Expression	Uterus,
Subcellular Localization	spindle pole,nucleoplasm,cytoplasm,microtubule organizing center,microtubule,
Protein Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Highly expressed in lung, muscle, testis, brain, heart, liver, leukocyte and spleen. Lower expression in ovary, prostate and kidney. No expression seen in small intestine.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.