TYK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TYK2, Polyclonal Antibody
Full Product Name	TYK2, CT (Non-receptor Tyrosine-protein Kinase TYK2) (Biotin)
Product Gene Name	anti-TYK2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A/G Affinity Chromatography.
Specificity	Recognizes human TYK2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	1187
Chromosome Location	Chromosome: 19; NC_000019.9 (10461204..10491248, complement). Location: 19p13.2
OMIM	176941
3D Structure	ModBase 3D Structure for P29597
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues in the C-terminal region of human TYK2.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TYK2 antibody	Antibodies; Tyrosine Kinases
Applications Tested/Suitable for anti-TYK2 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-TYK2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TYK2 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.

Product References and Citations for anti-TYK2 antibody	1. Ragimbeau, J., et al., EMBO J. 22(3):537-547 (2003). 2. Trask, B., et al., Genomics 15(1):133-145 (1993). 3. Firmbach-Kraft, I., et al., Oncogene 5(9):1329-1336 (1990). 4. Krolewski, J.J., et al., Oncogene 5(3):277-282 (1990).
Other Notes	Small volumes of anti-TYK2 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 TYK2 purchase	MBS6504240 is an antibody targeting TYK2. Also known as TYK2, CT (Non-receptor Tyrosine-protein Kinase TYK2) (Biotin). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TYK2. It may not necessarily be applicable to this product.

NCBI GI #	187608615
NCBI GeneID	7297
NCBI Accession #	NP_003322.3
UniProt Primary Accession #	P29597
UniProt Secondary Accession #	Q6QB10; Q96CH0
UniProt Related Accession #	P29597
GenBank Nucleotide #	NM_003331.4
NCBI Official Full Name	non-receptor tyrosine-protein kinase TYK2
NCBI Official Synonym Full Names	tyrosine kinase 2
NCBI Official Symbol	TYK2
NCBI Official Synonym Symbols	JTK1
UniProt Protein Name	Non-receptor tyrosine-protein kinase TYK2
Protein Family	Non-receptor tyrosine-protein kinase
UniProt Gene Name	TYK2
UniProt Entry Name	TYK2_HUMAN
NCBI Protein Information	non-receptor tyrosine-protein kinase TYK2
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