STYK1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	STYK1, Monoclonal Antibody
Full Product Name	STYK1 (Serine/Threonine/Tyrosine Kinase 1, DKFZp761P1010, NOK, SuRTK106) (MaxLight 405)
Product Gene Name	anti-STYK1 antibody
Product Synonym Names	Serine/Threonine/Tyrosine Kinase 1; DKFZp761P1010; NOK; SuRTK106
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3D2
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes STYK1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of produc the original vial prior to removing the cap.
Molecular Weight	47,577 Da
OMIM	611433
3D Structure	ModBase 3D Structure for Q6J9G0
Immunogen	STYK1 (NP_060893, 50aa-159aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	REQRTQQQRSGPQGIAPVPPPRDLSWEAGHGGNVALPLKETSVENFLGATTPALAKLQVPREQLSEVLEQICSGSCGPIFRANMNTGDPSKPKSVILKAL
Conjugate	MaxLight405
Product Categories/Family for anti-STYK1 antibody	Antibodies; Tyrosine Kinases
Applications Tested/Suitable for anti-STYK1 antibody	Western Blot (WB)
Application Notes for anti-STYK1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-STYK1 antibody	Receptor protein tyrosine kinases, like STYK1, play important roles in diverse cellular and developmental processes, such as cell proliferation, different survival (Liu et al., 2004 [PubMed 15150103]). [supplied by OMIM]

Other Notes	Small volumes of anti-STYK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 apply.
Searchable Terms for STYK1 purchase	MBS6198122 is an antibody targeting STYK1. Also known as STYK1 (Serine/Threonine/Tyrosine Kinase 1, DKFZp761P1010, NOK, SuRTK106) (Max Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STYK1. It may not necessarily be applicable to this product.

NCBI GI #	222352145
NCBI GeneID	55359
NCBI Accession #	NP_060893
UniProt Primary Accession #	Q6J9G0
UniProt Secondary Accession #	Q52LR3; Q9BXY2; Q9NSH1; B2R9T2
UniProt Related Accession #	Q6J9G0
GenBank Nucleotide #	NM_018423
NCBI Official Full Name	tyrosine-protein kinase STYK1
NCBI Official Synonym Full Names	serine/threonine/tyrosine kinase 1
NCBI Official Symbol	STYK1
NCBI Official Synonym Symbols	NOK; SuRTK106
UniProt Protein Name	Tyrosine-protein kinase STYK1
UniProt Synonym Protein Names	Novel oncogene with kinase domain; Protein PK-unique; Serine/threonine/tyrosine kinase 1
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	STYK1
UniProt Synonym Gene Names	NOK
UniProt Entry Name	STYK1_HUMAN
NCBI Protein Information	tyrosine-protein kinase STYK1; novel oncogene with kinase domain; protein PK-unique
UniProt Comments for STYK1	STYK1: Probable tyrosine protein-kinase, which has strong transforming capabilities on a variety of cell lines. When overexpressed, it can also induce tumor cell invasion as well as metastasis in distant organs. May act by activating both MAP kinase and phosphatidylinositol 3'-kinases (PI3K) pathways. Belongs to the protein kinase superfamily. Tyr protein kinase family. Protein type: Protein kinase, TK; Oncoprotein; Kinase, protein; Membrane protein, integral; EC 2.7.10.2; Protein kinase, tyrosine (receptor); TK group; TK-Unique family Chromosomal Location of Human Ortholog: 12p13.2 Cellular Component: extrinsic to internal side of plasma membrane; plasma membrane; integral to membrane Molecular Function: protein binding; non-membrane spanning protein tyrosine kinase activity; ATP binding; receptor binding Biological Process: innate immune response; cell differentiation; transmembrane receptor protein tyrosine kinase signaling pathway; regulation of cell proliferation

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