SUDD Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	SUDD, Polyclonal Antibody
Full Product Name	SUDD Polyclonal Antibody
Product Gene Name	anti-SUDD antibody
Clonality	Polyclonal
Molecular Weight	58,671 Da
OMIM	603579
3D Structure	ModBase 3D Structure for O14730
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-SUDD antibody	MBS8525447 is an antibody targeting SUDD. Also known as SUDD Polyclonal Antibody.
Other Notes	Small volumes of anti-SUDD 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.

ADDITIONAL DETAILS

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

NCBI GI #	22325377
NCBI GeneID	8780
NCBI Accession #	NP_003822.2
UniProt Primary Accession #	O14730
UniProt Secondary Accession #	Q8IXN9
UniProt Related Accession #	O14730
GenBank Nucleotide #	NM_003831.4
NCBI Official Full Name	serine/threonine-protein kinase RIO3 isoform 1
NCBI Official Synonym Full Names	RIO kinase 3
NCBI Official Symbol	RIOK3
NCBI Official Synonym Symbols	SUDD
UniProt Protein Name	Serine/threonine-protein kinase RIO3
UniProt Synonym Protein Names	RIO kinase 3; sudD homolog
UniProt Gene Name	RIOK3
UniProt Synonym Gene Names	SUDD
NCBI Protein Information	serine/threonine-protein kinase RIO3

NCBI Summary for SUDD	This gene was first identified by the similarity of its product to the Aspergillus nidulans SUDD protein. This gene is now recognized as a member of the right open reading frame (RIO) kinase gene family. This gene encodes a serine/threonine kinase that localizes to the cytoplasm and plays a role in the processing of the pre-40 S ribosomal subunit. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2017]
UniProt Comments for SUDD	Involved in regulation of type I interferon (IFN)-dependent immune response which plays a critical role in the innate immune response against DNA and RNA viruses. May act as an adapter protein essential for the recruitment of TBK1 to IRF3 (PubMed:24807708). Phosphorylates IFIH1 on 'Ser-828' interfering with IFIH1 filament assembly on long dsRNA and resulting in attenuated IFIH1-signaling (PubMed:25865883). Can inhibit CASP10 isoform 7-mediated activation of the NF-kappaB signaling pathway (PubMed:19557502). May play a role in the biogenesis of the 40S ribosomal subunit. Involved in the processing of 21S pre-rRNA to the mature 18S rRNA (PubMed:22418843).
Research Articles on SUDD	**1.** the ectopic expression of RIOK3 or a phosphomimetic MDA5-S828D mutation attenuated MDA5-mediated signaling.
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