DRAK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DRAK1, Polyclonal Antibody
Full Product Name	DRAK1, NT (Serine/Threonine protein Kinase 17A, DAP Kinase-related Apoptosis-inducing Protein Kinase 1, STK17A) (MaxLight 550)
Product Gene Name	anti-DRAK1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human DRAK1. Species Crossreactivity: mouse
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	46,558 Da
OMIM	604726
3D Structure	ModBase 3D Structure for Q9UEE5
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1-30 in the N-terminal region of human DRAK1 UniProt Accession # Q9UEE5.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-DRAK1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-DRAK1 antibody	FLISA, Western Blot (WB)
Application Notes for anti-DRAK1 antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-DRAK1 antibody	MBS6472996 is an antibody targeting DRAK1. Also known as DRAK1, NT (Serine/Threonine protein Kinase 17A, DAP Kinase-related Apoptosis-inducing Protein Kinase 1, STK17A) (MaxLight 550). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-DRAK1 antibody	1. Sanjo, H., et al., J. Biol. Chem. 273(44):29066-29071 (1998).
Other Notes	Small volumes of anti-DRAK1 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 DRAK1. It may not necessarily be applicable to this product.

NCBI GI #	109255245
NCBI GeneID	9263
NCBI Accession #	NP_004751.2
UniProt Primary Accession #	Q9UEE5
UniProt Secondary Accession #	Q8IVC8; A4D1V6
UniProt Related Accession #	Q9UEE5
GenBank Nucleotide #	NM_004760.2
NCBI Official Full Name	serine/threonine-protein kinase 17A
NCBI Official Synonym Full Names	serine/threonine kinase 17a
NCBI Official Symbol	STK17A
NCBI Official Synonym Symbols	DRAK1
UniProt Protein Name	Serine/threonine-protein kinase 17A
UniProt Synonym Protein Names	DAP kinase-related apoptosis-inducing protein kinase 1
UniProt Gene Name	STK17A
UniProt Synonym Gene Names	DRAK1
UniProt Entry Name	ST17A_HUMAN
NCBI Protein Information	serine/threonine-protein kinase 17A; DAP kinase-related apoptosis-inducing protein kinase 1; death-associated protein kinase-related 1; serine/threonine kinase 17a (apoptosis-inducing)
NCBI Summary for DRAK1	This gene is a member of the DAP kinase-related apoptosis-inducing protein kinase family and encodes an autophosphorylated nuclear protein with a protein kinase domain. The protein has apoptosis-inducing activity. [provided by RefSeq, Jul 2008]
UniProt Comments for DRAK1	DRAK1: a calmodulin-dependent kinase of the DAPK family. Interacts with and is regulated by calcineurin homologous protein (CHP), an EF-hand Ca(2+)-binding protein. In vitro, CHP inhibits the apoptosis-inducing protein kinase DRAK2 in the presence of elevated Ca(2+) levels. Highly expressed in placenta, lung, pancreas. Lower levels in heart, brain, liver, skeletal muscle and kidney. Protein type: Kinase, protein; Protein kinase, CAMK; EC 2.7.11.1; Protein kinase, Ser/Thr (non-receptor); CAMK group; DAPK family Chromosomal Location of Human Ortholog: 7p13 Cellular Component: nucleus Molecular Function: protein serine/threonine kinase activity; ATP binding Biological Process: apoptosis; positive regulation of apoptosis; protein amino acid phosphorylation
Research Articles on DRAK1	**1.** STK17A provides a proliferative and survival advantage to GBM cells
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