CSNK1G1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CSNK1G1, Monoclonal Antibody
Full Product Name	CSNK1G1 (Casein Kinase I Isoform gamma-1, CKI-gamma 1) (MaxLight 650)
Product Gene Name	anti-CSNK1G1 antibody
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	3D1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CSNK1G1.
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 only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recov of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	45,414 Da
Immunogen	Partial recombinant corresponding to aa293-393 from human CSNK1G1 (AAH17236) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KKGYTFDYAYDWVGRPIPTPVGSVHVDSGASAITRESHTHRDRPSQQQPLRNQVVSSTNGELNVDDPTGAHSNAPITAHAEVEVVEEAKCCCFFKRKRK
Conjugate	MaxLight650
Product Categories/Family for anti-CSNK1G1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-CSNK1G1 antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-CSNK1G1 antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-CSNK1G1 antibody	MBS6221663 is an antibody targeting CSNK1G1. Also known as CSNK1G1 (Casein Kinase I Isoform gamma-1, CKI-gamma 1) (MaxLight 650). Reacti in Human. Host: Mouse.

Other Notes	Small volumes of anti-CSNK1G1 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 and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSNK1G1. It may not necessarily be applicable to this product.

NCBI GI #	40225394
NCBI GeneID	53944
NCBI Accession #	BC017236
NCBI Related Accession #	AAH17236
UniProt Secondary Accession #	Q5JPH1; Q96AE9; Q9HCP1
UniProt Related Accession #	Q9HCP0
NCBI Official Full Name	Homo sapiens casein kinase 1, gamma 1, mRNA
NCBI Official Synonym Full Names	casein kinase 1 gamma 1
NCBI Official Symbol	CSNK1G1
NCBI Official Synonym Symbols	CK1gamma1
Protein Family	Casein kinase
NCBI Protein Information	casein kinase I isoform gamma-1
NCBI Summary for CSNK1G1	This gene encodes a member of the casein kinase I gene family. This family is comprised of serine/threonine kinases that phosphorylate acidic proteins such as caseins. The encoded kinase plays a role in cell cycle checkpoint arrest in response to stalled replication forks by phosphorylating Claspin. A mutation in this gene may be associated with non-syndromic early-onset epilepsy (NSEOE). [provided by RefSeq, Jul 2016]
Research Articles on CSNK1G1	**1.** CK1gamma1 phosphorylates p65 and consequently promotes its degradation by ubiquitin E3 ligases CUL2 and COMMD1.
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