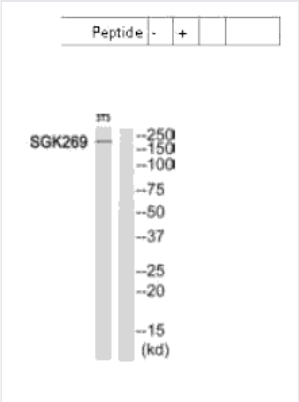
SGK269 Antibody

PRODUCT OVERVIEW

Product Name	SGK269, Antibody
Full Product Name	SGK269 Antibody
Product Gene Name	anti-SGK269 antibody
Product Synonym Names	Pseudopodium-enriched atypical kinase 1; Sugen kinase 269; Tyrosine-protein kinase SgK269; PEAK1; KIAA2002
Species Reactivity	Human
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	SGK269 antibody detects endogenous levels of total SGK269 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	193,106 Da
OMIM	614248
3D Structure	ModBase 3D Structure for Q9H792
Immunogen	The antiserum was produced against synthesized peptide derived from N-terminal of human SGK269.
Product Categories/Family for anti-SGK269 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SGK269 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-SGK269 antibody	WB: 1:500~1:1000 ELISA: 1:5000
Related Product Information for anti-SGK269 antibody	MBS856164 is an antibody targeting SGK269. Also known as SGK269 Antibody. Reactive in Human.
Product References and Citations for anti-SGK269 antibody	Zody M.C., Nature 440:671-675(2006). Jikuya H., Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases. Ohara O., DNA Res. 9:47-57(2002).
Other Notes	Small volumes of anti-SGK269 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.



Western Blot of anti-SGK269 antibody
Western blot analysis of extracts from 3T3 cells, using SGK269 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SGK269. It may not necessarily be applicable to this product.

NCBI GI #	148368962
NCBI GeneID	79834
NCBI Accession #	NP_079052.2
UniProt Primary Accession #	Q9H792
UniProt Secondary Accession #	Q6ZS78; Q8NAZ4; Q8NCM3; Q8TEG7
UniProt Related Accession #	Q9H792
GenBank Nucleotide #	NM_024776.3
NCBI Official Full Name	pseudopodium-enriched atypical kinase 1
NCBI Official Synonym Full Names	pseudopodium enriched atypical kinase 1
NCBI Official Symbol	PEAK1
NCBI Official Synonym Symbols	SGK269
UniProt Protein Name	Pseudopodium-enriched atypical kinase 1
UniProt Synonym Protein Names	Sugen kinase 269; Tyrosine-protein kinase SgK269
Protein Family	Pseudopodium-enriched atypical kinase
UniProt Gene Name	PEAK1
UniProt Synonym Gene Names	KIAA2002
NCBI Protein Information	pseudopodium-enriched atypical kinase 1
NCBI Summary for SGK269	This gene encodes a non-receptor tyrosine kinase that is a member of the new kinase family three (NFK3) family. In migrating cells, the encoded protein is associated with the actin cytoskeleton and focal adhesions and promotes developing focal adhesion elongation. This protein may play a role in the regulation of cell migration, proliferation and cancer metastasis. [provided by RefSeq, Mar 2014]
UniProt Comments for SGK269	Tyrosine kinase that may play a role in cell spreading and migration on fibronectin. May directly or indirectly affect phosphorylation levels of cytoskeleton-associated proteins MAPK1/ERK and PXN.
Research Articles on SGK269	**1.** the critical role of the CH region in SgK269/SgK223 association. Importantly, although SgK269 bridged SgK223 to Grb2, it was unable to activate Stat3 or efficiently enhance migration in SgK223 knock-out cells generated by CRISPR/Cas9.

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