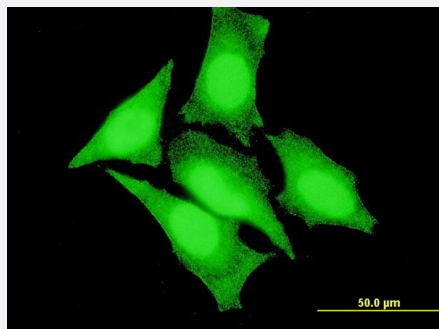


ZAK monoclonal antibody (M09), clone 2G7

Catalog # H00051776-M09

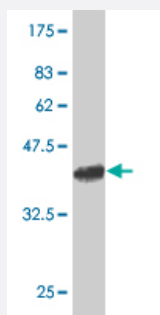
Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to ZAK on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (38.83 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ZAK.

Immunogen

ZAK (AAH01401, 1 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSSLGASFVQIKFDDLQFFENC GGSGFSVYRAKWISQDKEVAVKKLLKIEKEAEILSVLSHRNIQ
FYGVILEPPNYGIVTEYASLGSLYDYINSNRSEEMDMDHIMTWATDVAKGMHY

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (92)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.83 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to ZAK on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ZAK

Entrez GeneID	51776
GeneBank Accession#	BC001401
Protein Accession#	AAH01401
Gene Name	ZAK
Gene Alias	AZK, MLK7, MLT, MLTK, MRK, mlklak
Gene Description	sterile alpha motif and leucine zipper containing kinase AZK
Omim ID	609479
Gene Ontology	Hyperlink

Gene Summary

This gene is a member of the MAPKKK family of signal transduction molecules and encodes a protein with an N-terminal kinase catalytic domain, followed by a leucine zipper motif and a sterile-alpha motif (SAM). This magnesium-binding protein forms homodimers and is located in the cytoplasm. The protein mediates gamma radiation signaling leading to cell cycle arrest and activity of this protein plays a role in cell cycle checkpoint regulation in cells. The protein also has pro-apoptotic activity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

MLK-like mitogen-activated protein triple kinase|MLK-related kinase|cervical cancer suppressor gene 4 protein|leucine zipper- and sterile alpha motif-containing kinase|mitogen-activated protein kinase kinase kinase MLT|mixed lineage kinase 7|mixed lineage

Pathway

- [MAPK signaling pathway](#)
- [Tight junction](#)

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)