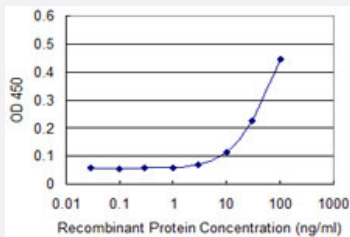


ZAK monoclonal antibody (M01), clone 3F11

Catalog # H00051776-M01

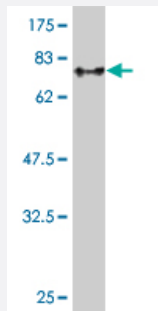
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ZAK is approximately 10ng/ml as a capture antibody.



Western Blot detection against Immunogen (75.79 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant ZAK.

Immunogen

ZAK (AAH01401.1, 1 a.a. ~ 455 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSSLGASFVQIKFDDLQFFENC GGSGFSVYRAKWISQDKEVAVKKLLKIEKEAEILSVLSHRNIIQ
FYGVILEPPNYGIVTEYASLGSLYDYINSNRSEEMDMDHIMTWATDVAKGMHYLHMEAPVKVIHRDL
KSRNVVIAADGVLKICDFGASRFHNHTTHMSLVGTFPWMAPEVIQSLPVSETCDTYSYGVLWEM
LTREVPFKGLEGLQVAWLVEKNERLTIPSSCPRSFAELLHQCWEADAKKRPSFKQIISILESMSN
DTSLPDKCNSFLHNKAWEWRCEIATLERLKKLERDLSFKEQELKERERRLKMWEQKLTEQSNTP
LLLPLAARMSEESYFESKTEESNSAEMSCQITATSNEGEGHGMNPSLQAMMLMGFGDIFSMNKAG
AVMHSGMQINMQAKQNSSKTTSKRRGKKVNMALGFSDFDLSEGDDDDDDDDGEEEDNDMDNS
E

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (75.79 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](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ZAK is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ZAK

Entrez GeneID	51776
GeneBank Accession#	BC001401
Protein Accession#	AAH01401.1
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](#)