

DNAPAb

Hard-to-Find
Antibody

ZAK DNAPAb

Catalog # H00051776-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ZAK DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MSSLGASFVQIKFDDLQFFENC GGGSFGSVYRAKWISQDKEVAVKKLLKIEKEAEILSVLSHRNIIQ FYGVILEPPNYGMTEYASLGSLYDYN SNRSEEMDMDHIMTWATDVAKGMHYLHMEAPVKVIHRDL KSRNVVIAADGVLKICDFGASRFHNHTTHMSLVGTFPWMAPEVIQSLPVSETCDTYSYGVVLWEM LTREVPFKGLEGLQVAWL VVEKNERLTIPSSCPRSFAELLHQCWEADAKKRPSFKQIISILESMSN DTSLPDKCNSFLHNKA EWRCEIEATLERLKKLERDLSFKEQELKERERRLKMWEQKLTEQSNTP LLLPLAARMSEESYFESKTEESNSAEMSCQITATSN GEGHGMNPSLQAMMLMGFGDIFSMNKAG AVMHSGMQINMQAKQNSSKTTSKRRGKKVNMALGFSDFDLSEGD DDDDDDDGEEEDNDMDNS E
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ZAK

Entrez GeneID [51776](#)

GeneBank Accession# [BC001401](#)

Protein Accession# [AAH01401.1](#)

Gene Name ZAK

Gene Alias AZK, MLK7, MLT, MLTK, MRK, mklak

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](#)