

Rabbit anti-Human ZAK Polyclonal Antibody | anti-ZAK antibody

Rabbit anti-ZAK Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211710	Rabbit	Human	Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

ZAK; Polyclonal Antibody; Rabbit anti-ZAK Antibody; Affinity Purified; MLT; MLTK; MLTKalpha; MLTKbeta; MRK; Sterile alpha motif- and leucine zipper-containing kinase AZK; ZAK1 homolog; leucine zipper and sterile-alpha motif kinase; MLK-related kinase; pk; SFMMP; mitogen-activated protein kinase kinase kinase MLT; MLK-like mitogen-activated protein triple kinase; AZK; CNM6; mitogen-activated protein kinase kinase kinase 20; sterile alpha motif and leucine zipper containing kinase AZK; mixed lineage kinase 7; mixed lineage kinase with a leucine zipper and a sterile alpha motif; Mixed lineage kinase-related kinase; MLK7; mklak; HCCS-4; Mitogen-activated protein kinase kinase kinase MLT; anti-ZAK antibody

PRODUCT SPECIFICATIONS

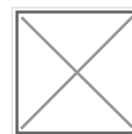
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ZAK antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen	Between 750 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IP (Immunoprecipitation)

Detection of human ZAK by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-ZAK antibody AAA211710 used for IP at 3 ug/mg lysate. ZAK was also immunoprecipitated by rabbit anti-ZAK antibody which recognizes an upstream epitope. For blotting immunoprecipitated ZAK, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human ZAK by immunohistochemistry. Sample: FFPE section of human skin carcinoma. Antibody: Affinity purified rabbit anti-ZAK (Cat. No. AAA211710 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-ZAK antibody	Leucine-zipper and sterile-alpha motif kinase (ZAK) is a mitogen activated protein kinase kinase kinase involved in the S and G2 phase cell cycle checkpoint. ZAK has been shown to activate the stress-activated protein kinase (c-jun N-terminal kinase) pathway and NF-kappaB. It has also been found to be a key mediator of cardiomyocyte hypertrophy and myocardial scars.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	82880648
NCBI GeneID	51776
NCBI Accession #	NP_057737.2
NCBI GenBank Nucleotide #	NM_016653.2
UniProt Accession #	Q9NYL2; Q53SX1; Q580W8; Q59GY5; Q86YW8; Q9HCC4; Q9HCC5; Q9HDD2; Q9NYE9; B3KPG2
Molecular Weight	91,155 Da
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase MLT isoform 1
NCBI Official Symbol	ZAK
NCBI Official Synonym Symbols	pk; AZK; MLT; MRK; MLK7; MLTK; mlklak
NCBI Protein Information	mitogen-activated protein kinase kinase kinase MLT; HCCS-4; mixed lineage kinase 7; mixed lineage kinase-related kinase MRK-beta; human cervical cancer suppressor gene 4 protein; MLK-like mitogen-activated protein triple kinase; mixed lineage kinase with
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase MLT
UniProt Gene Name	MLTK
UniProt Synonym Gene Names	ZAK; HCCS-4; MLK-related kinase; MRK
UniProt Entry Name	MLTK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zak-antibody-immunohistochemistry-immunoprecipitation-elisa/211710>