

ZAK Rabbit Polyclonal Antibody

Catalog No: #55193



Package Size: #55193-1 50ul #55193-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

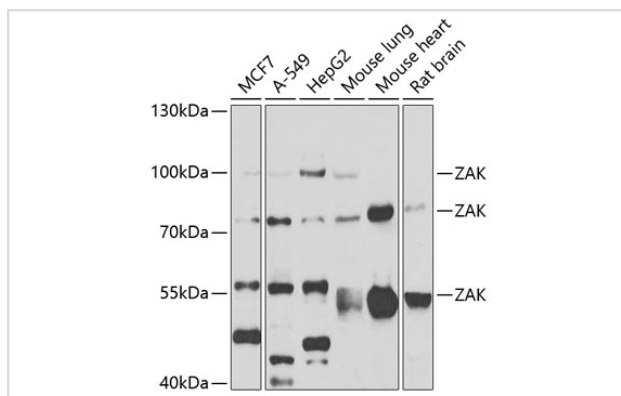
Description

Product Name	ZAK Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human ZAK (NP_598407.1).
Other Names	MAP3K20;AZK;MLK7;MLT;MLTK;MLTKalpha;MLTKbeta;MRK;SFMMP;ZAK;mlklak;pk
Accession No.	GeneID:51776
Calculated MW	35kDa/51kDa/91kDa
SDS-PAGE MW	55kDa/91kDa/100kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

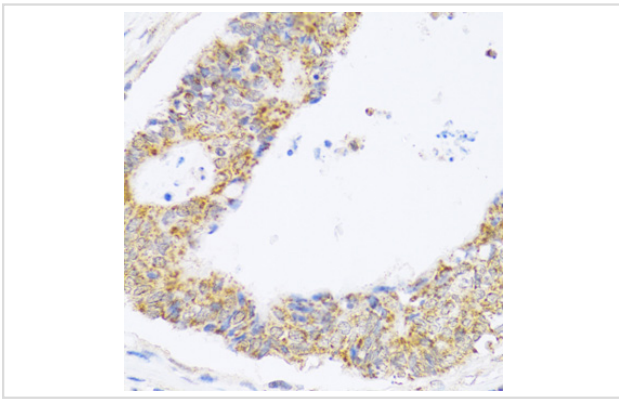
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:20 - 1:50

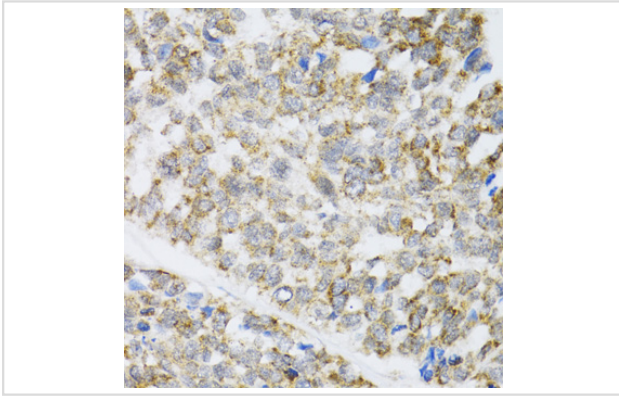
Images



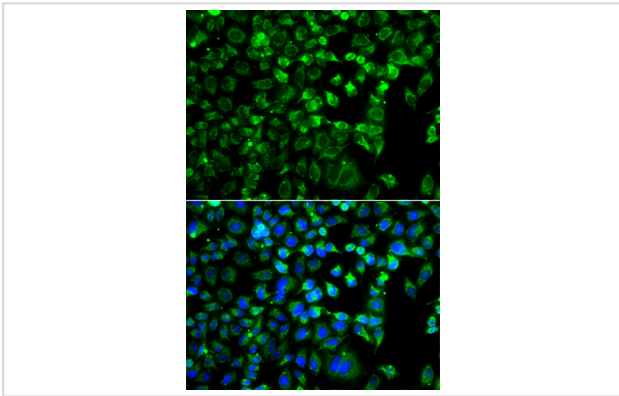
Western blot analysis of extracts of various cell lines, using ZAK at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human colon carcinoma using ZAK at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal cancer using ZAK at dilution of 1:100 (40x lens).



Immunofluorescence analysis of A549 cells using ZAK . Blue: DAPI for nuclear staining.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.