Elabscience®

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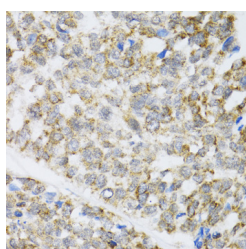## ZAK Polyclonal Antibody

Catalog No.	E-AB-61675	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC,IF	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
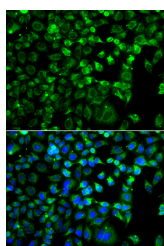
Images
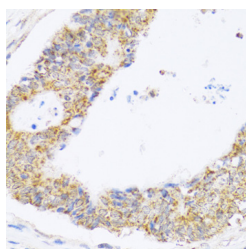
Immunohistochemistry of paraffin-embedded Human colon carcinoma using ZAK Polyclonal Antibody at dilution of 1:100 (40x lens).

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

Immunofluorescence analysis of A549 cells using ZAK Polyclonal Antibody

Immunogen Information

Immunogen	Recombinant fusion protein of human ZAK (NP_598407.1).
GeneID	51776
Swissprot	Q9NYL2
Synonyms	MAP3K20,AZK,MLK7,MLT,MLTK,MLTKalpha,MLTKbeta,MRK,SFMMP,ZAK,mlklak,pk

Product Information

Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	IHC 1:50-1:200 IF 1:20-1:50

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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.