

# ZAK Rabbit Polyclonal Antibody



CAB7371

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

55kDa/91kDa/100kDa

### Calculated MW:

35kDa/51kDa/91kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

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

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

51776

### Uniprot

### Synonyms:

MAP3K20; AZK; MLK7; MLT; MLTK; MLTKalpha; MLTKbeta; MRK;  
SFMMP; ZAK; mlklak; pk

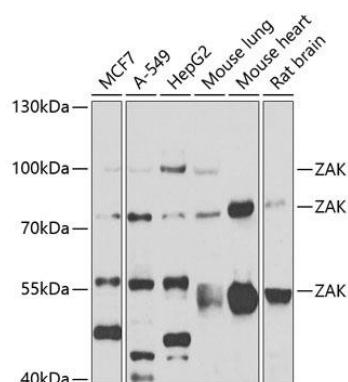
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-330 of human ZAK (NP\_598407.1).

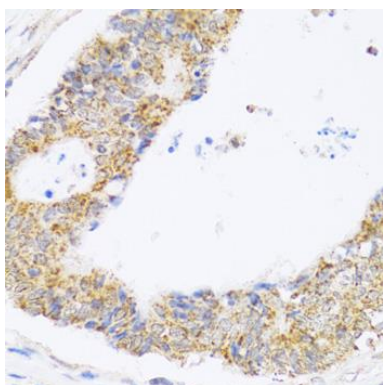
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

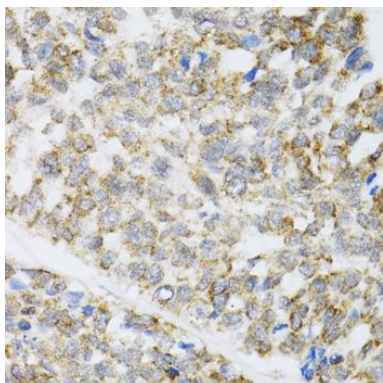
## Product Images



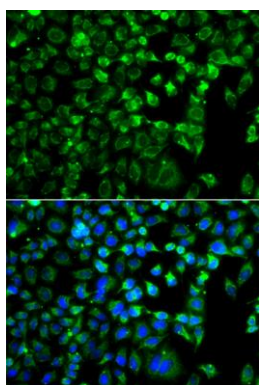
Western blot analysis of extracts of various cell lines, using ZAK antibody (CAB7371) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using ZAK antibody (CAB7371) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal cancer using ZAK antibody (CAB7371) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of A549 cells using ZAK antibody (CAB7371). Blue: DAPI for nuclear staining.