

## ZAK Antibody / MLKLAK (F51004)

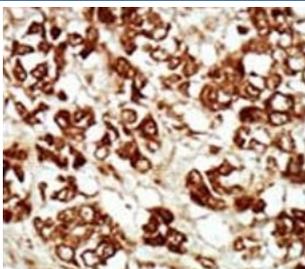
Catalog No.	Formulation	Size
F51004-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51004-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Mouse
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	Q9NYL2
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
<b>Limitations</b>	This ZAK antibody is available for research use only.

250  
130  
95  
72  
55

Western blot analysis of ZAK antibody and human HepG2 lysate. There are three isoforms of ZAK, visualized at ~91 kDa, ~51 kDa and ~35 kDa.



IHC analysis of FFPE human hepatocarcinoma tissue stained with the ZAK antibody

## Description

ZAK/MLKLAK is a member of the MAPKKK family of signal transduction molecules. It possesses 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.

## Application Notes

Titration of the ZAK antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 271-300 from the human protein was used as the immunogen for this ZAK antibody.

## Storage

Aliquot the ZAK antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.