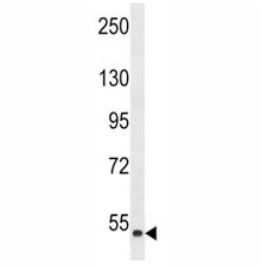
ZAK Antibody / MLKLAK (F51004)

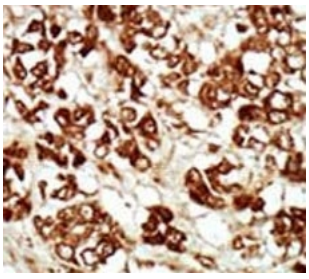
Catalog No.	Formulation	Size
F51004-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51004-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

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



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.

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