antibodies - online.com







anti-ZAK antibody (AA 271-300)





\sim	
()\/\	rview
\circ	

Overview	
Quantity:	0.4 mL
Target:	ZAK
Binding Specificity:	AA 271-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZAK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	
Immunogen:	A portion of amino acids 271-300 from the human protein was used as the immunogen for this
	ZAK antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Purified

Target Details

Target:	ZAK
Alternative Name:	ZAK (MLKLAK) (ZAK Products)
Background:	ZAK/MLKLAK is a member of the MAPKKK family of signal transduction molecules. It

Target Details

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.

UniProt:

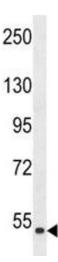
Q9NYL2

Application Details

Application Notes:	Titration of the ZAK antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

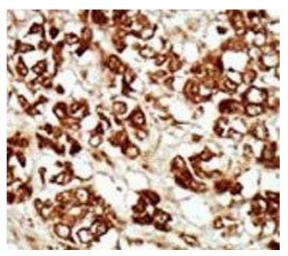
Handling

Format:	Liquid
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the ZAK antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



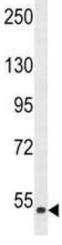
Western Blotting

Image 1. Western blot analysis of ZAK antibody and HepG2 lysate. There are 3 isoforms of ZAK, visualized at \sim 91, 51 and 35 kDa.



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma tissue stained with the ZAK antibody



Western Blotting

Image 3. Western blot analysis of ZAK antibody and HepG2 lysate. There are 3 isoforms of ZAK, visualized at \sim 91, 51 and 35 kDa.