

Datasheet for ABIN3032542
anti-STK4 antibody (AA 385-415)

5 Images

[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	STK4
Binding Specificity:	AA 385-415
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 385-415 from the human protein was used as the immunogen for this MST1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Purified

Target Details

Target:	STK4
Alternative Name:	MST1 (Mammalian STE20-Like Protein Kinase 1) (STK4 Products)
Background:	MST1 is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts

Target Details

upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated with apoptosis, and it is possible that this protein induces the chromatin condensation observed in this process.

UniProt: [Q13043](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Titration of the MST1 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

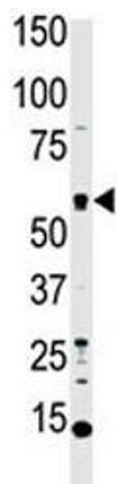
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

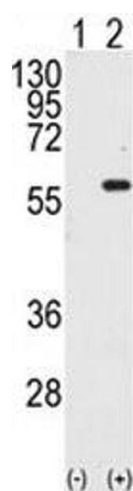
Storage: -20 °C

Storage Comment: Aliquot the MST1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



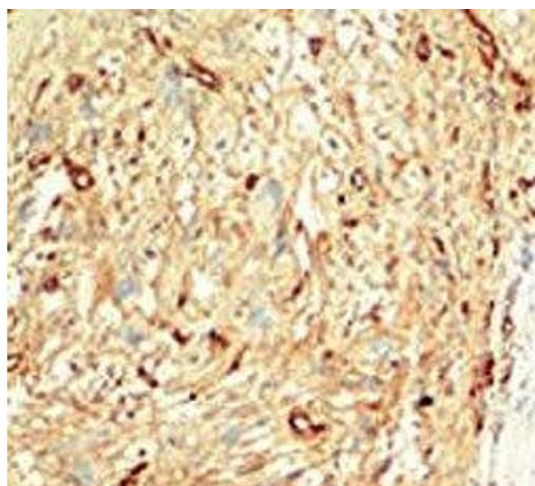
Western Blotting

Image 1. Western blot analysis of MST1 antibody and HL-60 cell lysate. Predicted molecular weight ~ 56 kDa.



Western Blotting

Image 2. Western blot analysis of STK4 / MST1 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the STK4 gene (2). Predicted molecular weight ~ 56 kDa.



Immunohistochemistry

Image 3. IHC analysis of FFPE human breast carcinoma tissue stained with the MST1 antibody

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3032542.