

Datasheet for ABIN6982572

**anti-STK24 antibody (pThr178) (Biotin)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	STK24
Binding Specificity:	pThr178
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STK24 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthesised phosphopeptide derived from human MST3 around the phosphorylation site of Thr178
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	STK24
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## Target Details

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Alternative Name: [MST3 \(STK24 Products\)](#)

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Background: Synonyms: MST3 (phospho T178), p-MST3 (phospho T178), Kinase responsive to stress 1, KRS1, Mammalian STE20 like protein kinase 2, Mammalian sterile 20-like 2, Mess1, MST, MST-2, MST2, Mst3, Serine/threonine kinase 3 (STE20 homolog, yeast), Serine/threonine kinase 3 (Ste20, yeast homolog), Serine/threonine protein kinase 3, Serine/threonine protein kinase Krs1, STE20 like kinase MST2.

Background: Serine/threonine-protein kinase that acts on both serine and threonine residues and promotes apoptosis in response to stress stimuli and caspase activation. Mediates oxidative-stress-induced cell death by modulating phosphorylation of JNK1-JNK2 (MAPK8 and MAPK9), p38 (MAPK11, MAPK12, MAPK13 and MAPK14) during oxidative stress. Plays a role in a staurosporine-induced caspase-independent apoptotic pathway by regulating the nuclear translocation of AIFM1 and ENDOG and the DNase activity associated with ENDOG.

Phosphorylates STK38L on 'Thr-442' and stimulates its kinase activity. Regulates cellular migration with alteration of PTPN12 activity and PXN phosphorylation: phosphorylates PTPN12 and inhibits its activity and may regulate PXN phosphorylation through PTPN12. May act as a key regulator of axon regeneration in the optic nerve and radial nerve.

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Gene ID: 8428

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UniProt: [Q9Y6E0](#)

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## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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## Handling

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handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months