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Datasheet for ABIN392427

anti-MST1 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	MST1
Binding Specificity:	AA 385-415, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MST1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-415 amino acids from the C-terminal region of human MST1.
Clone:	RB1193
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MST1
Alternative Name:	MST1 (MST1 Products)

Target Details

Background: MST1 is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts 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.

Molecular Weight: 55630

Gene ID: 6789

NCBI Accession: [NP_006273](#)

UniProt: [Q13043](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Sadeghi, Ullenhag, Wagenius, Tötterman, Eriksson: "Rapid expansion of T cells: Effects of culture and cryopreservation and importance of short-term cell recovery." in: **Acta oncologica (Stockholm, Sweden)**, Vol. 52, Issue 5, pp. 978-86, (2013) ([PubMed](#)).

Images

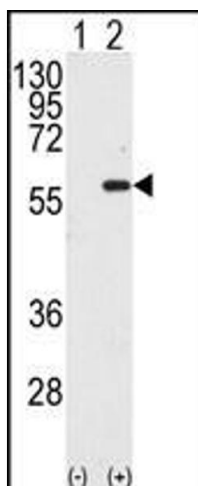
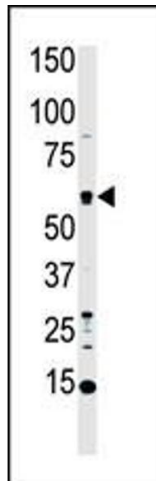
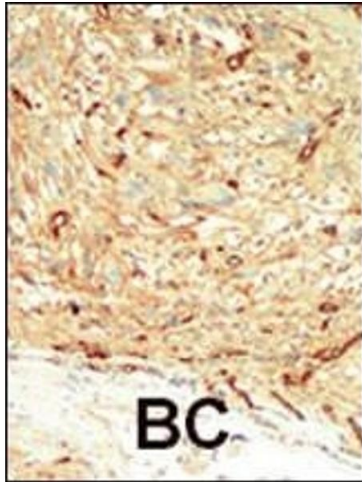
**Immunohistochemistry (Paraffin-embedded Sections)**

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. Western blot analysis of anti-MST1 Pab (ABIN392427 and ABIN2842030) in HL60 cell lysate. MST1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Western Blotting

Image 3. Western blot analysis of STK4 (arrow) using MST1 Antibody (C-term) (ABIN392427 and ABIN2842030). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the STK4 gene (Lane 2) (Origene Technologies).