

Product datasheet

Anti-TTK/Mps1 antibody [N1] - BSA free ab11108

★★★★★ [8 Abreviews](#) [25 References](#) [2 Images](#)

Overview

Product name	Anti-TTK/Mps1 antibody [N1] - BSA free
Description	Mouse monoclonal [N1] to TTK/Mps1 - BSA free
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human TTK/Mps1 aa 1-900. The exact sequence is proprietary. (catalytically inactive - D663A)
Epitope	This antibody recognizes an epitope in the N-terminal region of Mps1.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 6.97% L-Arginine</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	N1
Myeloma	PA1B3Ag81

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab11108 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (5)	Use a concentration of 1 µg/ml. Detects a band of approximately 100 kDa (predicted molecular weight: 95 kDa). NOT SUITABLE for blocking with BSA. Block in 5% milk for 1 hour.

Target

Function

Phosphorylates proteins on serine, threonine, and tyrosine. Probably associated with cell proliferation. Essential for chromosome alignment by enhancing AURKB activity (via direct CDCA8 phosphorylation) at the centromere, and for the mitotic checkpoint.

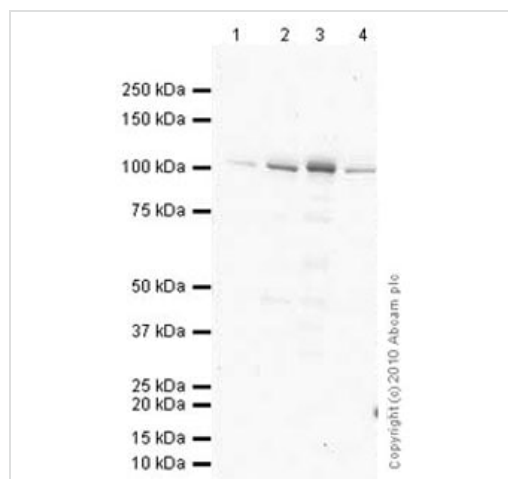
Tissue specificity

Present in rapidly proliferating cell lines.

Sequence similarities

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.
Contains 1 protein kinase domain.

Images



Western blot - Anti-TTK/Mps1 antibody [N1] - BSA free (ab11108)

All lanes : Anti-TTK/Mps1 antibody [N1] - BSA free (ab11108) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : HeLa (Human epithelial carcinoma cell line) Nuclear Lysate

Lane 3 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lane 4 : Jurkat nuclear extract lysate ([ab14844](#))

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

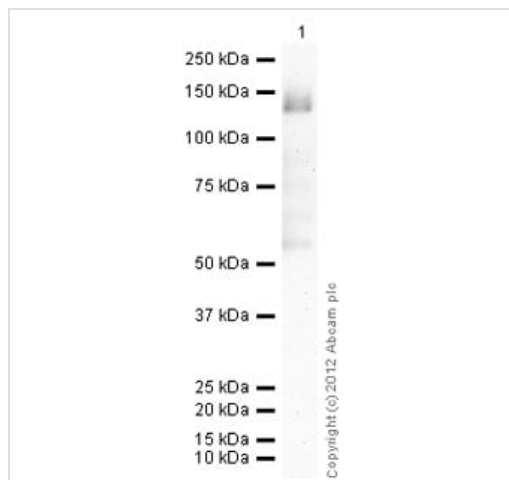
Performed under reducing conditions.

Predicted band size: 95 kDa

Observed band size: 100 kDa

Exposure time: 8 minutes

NOTE: MILK was used to block non-specific binding, rather than BSA.



Western blot - Anti-TTK/Mps1 antibody [N1] - BSA free (ab11108)

Anti-TTK/Mps1 antibody [N1] - BSA free (ab11108) at 10 µg/ml +
Recombinant human TTK/Mps1 protein ([ab89589](#)) at 0.01 µg

Secondary

Goat Anti-Mouse IgG H&L (HRP) preadsorbed ([ab97040](#)) at
1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 95 kDa

Exposure time: 8 minutes

ab11108 recognizes the full length tagged recombinant
TTK/Mps1 protein ([ab89589](#)) which has an expected molecular
weight of 130 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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