


## Product datasheet

# Anti-TTK/Mps1 antibody [3G7] ab219068

[2 References](#) [4 Images](#)

### Overview

---

<b>Product name</b>	Anti-TTK/Mps1 antibody [3G7]
<b>Description</b>	Mouse monoclonal [3G7] to TTK/Mps1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cynomolgus monkey 
<b>Immunogen</b>	Recombinant fragment (GST-tag) corresponding to Human TTK/Mps1 aa 1-200. (AAH00633). Database link: <a href="#">P33981</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human testis tissue; HeLa and K562 cell lysates; Msp1-transfected 293T cell lysate.
<b>General notes</b>	<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&amp;As</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Constituent: 100% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3G7
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab219068 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
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 97 kDa.

## 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.

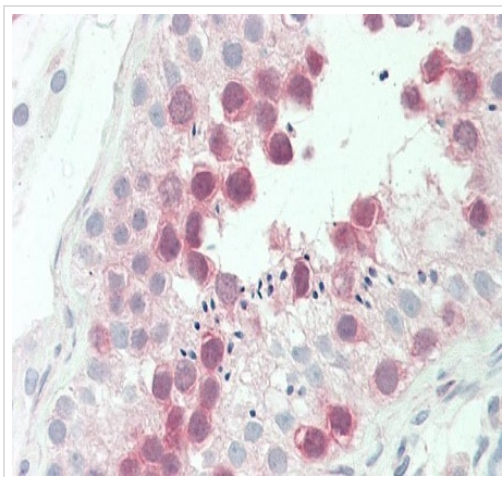
### Tissue specificity

Present in rapidly proliferating cell lines.

### Sequence similarities

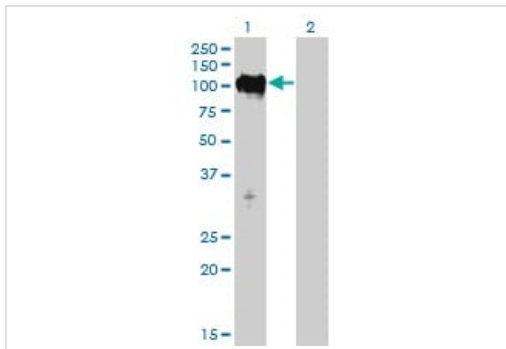
Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.  
Contains 1 protein kinase domain.

## Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testis tissue labeling TTK/Mps1 with ab219068 at 10 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTK/Mps1 antibody [3G7] (ab219068)



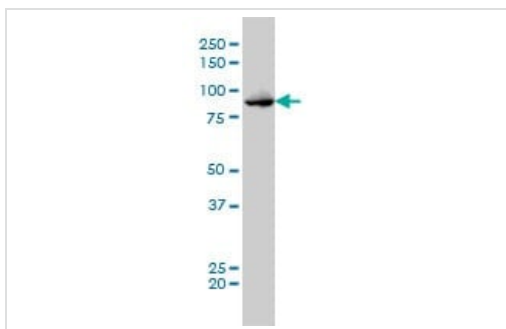
Western blot - Anti-TTK/Mps1 antibody [3G7]  
(ab219068)

**All lanes** : Anti-TTK/Mps1 antibody [3G7] (ab219068) at 1/500 dilution

**Lane 1** : TTK/Mps1-transfected 293T cell lysate

**Lane 2** : Non-transfected 293T cell lysate

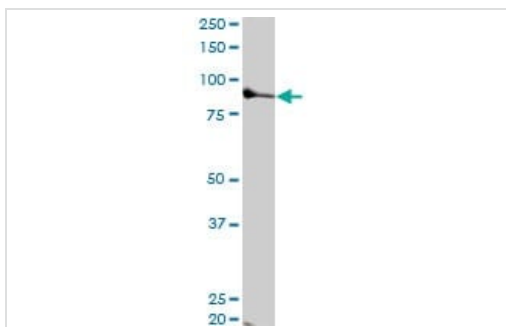
**Predicted band size:** 97 kDa



Western blot - Anti-TTK/Mps1 antibody [3G7]  
(ab219068)

Anti-TTK/Mps1 antibody [3G7] (ab219068) at 1/500 dilution + K562 cell lysate

**Predicted band size:** 97 kDa



Western blot - Anti-TTK/Mps1 antibody [3G7]  
(ab219068)

Anti-TTK/Mps1 antibody [3G7] (ab219068) at 1/500 dilution + HeLa cell lysate

**Predicted band size:** 97 kDa

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

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors