

Product datasheet

Anti-Grp75/MOT antibody - C-terminal ab226379

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Overview

Product name	Anti-Grp75/MOT antibody - C-terminal
Description	Rabbit polyclonal to Grp75/MOT - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human Grp75/MOT aa 629-679 (C terminal). The exact sequence is proprietary. Database link: P38646
Positive control	WB: HeLa, HEK-293T, Jurkat, TCMK-1 and NIH/3T3 whole cell lysates. IP: HEK-293T whole cell lysate.
General notes	<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

Storage instructions	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.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	pH 7 to 8 Immunogen affinity purified
Purification notes	ab226379 was affinity purified using an epitope specific to Grp75/MOT immobilized on solid support.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab226379 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		1/2000 - 1/10000. Predicted molecular weight: 74 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

Function

Implicated in the control of cell proliferation and cellular aging. May also act as a chaperone.

Sequence similarities

Belongs to the heat shock protein 70 family.

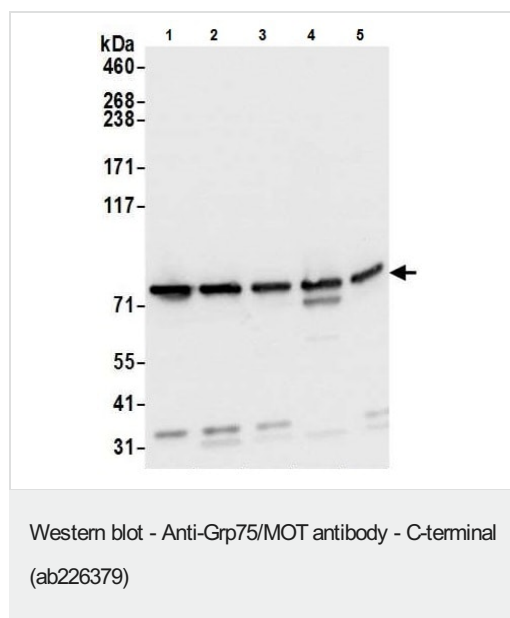
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Mitochondrion.

Images



All lanes : Anti-Grp75/MOT antibody - C-terminal (ab226379) at 0.1 µg/ml

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 4 : TCMK-1 (mouse kidney epithelial cell line) whole cell lysate

Lane 5 : NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate

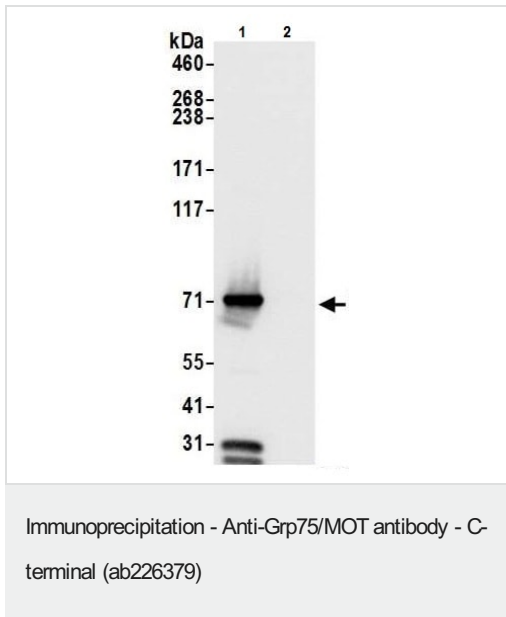
Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 74 kDa

Exposure time: 1 second

Lysates prepared using NETN lysis buffer.



Grp75/MOT was immunoprecipitated from HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate (prepared using NETN lysis buffer; 1 mg for IP, 20% of IP loaded) with ab226379 at 6 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab226379 at 1 µg/ml.

Lane 1: ab226379 IP in HEK-293T whole cell lysate.

Lane 2: Control IgG IP in HEK-293T whole cell lysate.

Detection: Chemiluminescence with exposure time of 1 second.

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

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