

## Product datasheet

# Anti-MDMX/MDM4 antibody [BL-3-2F2] ab243859

Recombinant

[1 Abreviews](#) [1 References](#) [3 Images](#)

### Overview

---

<b>Product name</b>	Anti-MDMX/MDM4 antibody [BL-3-2F2]
<b>Description</b>	Rabbit monoclonal [BL-3-2F2] to MDMX/MDM4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human MDMX/MDM4 aa 125-175. The exact sequence is proprietary. NP_002384.2 and Gene ID 4194. Database link: <a href="#">O15151</a>
<b>Positive control</b>	WB: Jurkat, 293T, HeLa and A549 cell lysates. IP: Jurkat cell lysate.
<b>General notes</b>	This product is sold under License from Bethyl Laboratories, Inc.

### 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: 7.8 Preservative: 0.09% Sodium azide Constituents: 98% Borate buffered saline, 0.1% BSA
<b>Purity</b>	Tissue culture supernatant
<b>Purification notes</b>	Cell culture supernatant was harvested from mammalian cells expressing recombinant rabbit monoclonal antibody.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	BL-3-2F2
<b>Isotype</b>	IgG

### Applications

---

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab243859 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		1/1000.
IP		Use at an assay dependent concentration. Use 20µg/mg lysate.

## Target

### Function

Inhibits p53/TP53- and TP73/p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of TP53 while maintaining suppression of TP53 transactivation and apoptotic functions.

### Tissue specificity

Expressed in all tissues tested with high levels in thymus.

### Sequence similarities

Belongs to the MDM2/MDM4 family.  
Contains 1 RanBP2-type zinc finger.  
Contains 1 RING-type zinc finger.  
Contains 1 SWIB domain.

### Domain

Region I is sufficient for binding TP53 and inhibiting its G1 arrest and apoptosis functions. It also binds TP73. Region II contains most of a central acidic region and a putative C4-type zinc finger. The RING finger domain which coordinates two molecules of zinc mediates the heterooligomerization with MDM2.

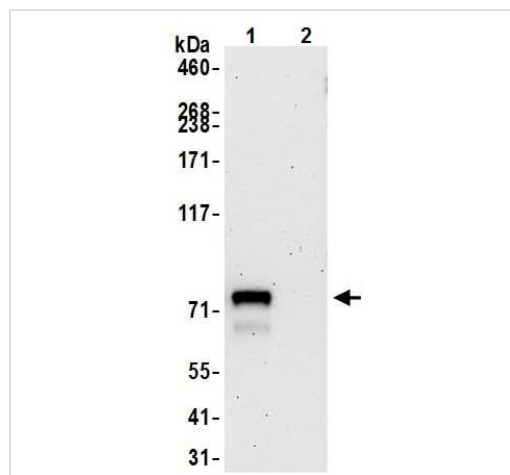
### Post-translational modifications

Ubiquitinated. Deubiquitinated by USP2; leading to stabilize it.

### Cellular localization

Nucleus.

## Images



Immunoprecipitation - Anti-MDMX/MDM4 antibody  
[BL-3-2F2] (ab243859)

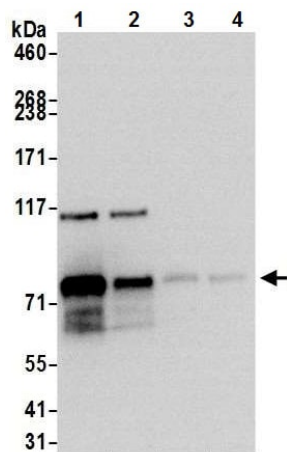
MDMX/MDM4 was immunoprecipitated from Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate (1 mg per IP reaction; 20% of IP loaded) using ab243859 at 20µg/mL.

Western blot was performed from the immunoprecipitate using ab243859 at 1/100 dilution.

**Lane 1:** ab243859 IP in Jurkat whole cell lysate.

**Lane 2:** Control IgG IP.

Chemiluminescence with an exposure time of 75 seconds.



**All lanes :** Anti-MDMX/MDM4 antibody [BL-3-2F2] (ab243859)

**Lane 1 :** Jurkat cell lysate

**Lane 2 :** 293T cell lysate

**Lane 3 :** HeLa cell lysate

**Lane 4 :** A549 cell lysate

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**)

Western blot - Anti-MDMX/MDM4 antibody [BL-3-2F2] (ab243859)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-MDMX/MDM4 antibody [BL-3-2F2] (ab243859)

**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