### Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-ARMET/ARP antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to ARMET/ARP</td>
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<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: WB, ICC/IF, IHC-P</td>
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<td><strong>Species reactivity</strong></td>
<td>Reacts with: Rat, Human</td>
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<td><strong>Immunogen</strong></td>
<td>Synthetic peptide corresponding to ARMET/ARP. 12 amino acid peptide from near the amino terminus of human MANF.</td>
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<td><strong>Positive control</strong></td>
<td>WB: HEK-293, Daudi, and SK-N-SH cell lysates. Rat Brain tissue lysate; IHC-P: Human Brain tissue.</td>
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<tr>
<td><strong>General notes</strong></td>
<td>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. 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</td>
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### Properties

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<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
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<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</td>
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</tbody>
</table>
| **Storage buffer** | pH: 7.2  
Preservative: 0.02% Sodium azide  
Constituent: PBS |
| **Purity** | Purified IgA |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

### Applications
The Abpromise guarantee covers the use of ab67203 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 28 kDa (predicted molecular weight: 20 kDa).</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 20 µg/ml.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 2.5 µg/ml.</td>
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Target

**Function**
Selectively promotes the survival of dopaminergic neurons of the ventral mid-brain. Modulates GABAergic transmission to the dopaminergic neurons of the substantia nigra. Enhances spontaneous, as well as evoked, GABAergic inhibitory postsynaptic currents in dopaminergic neurons (By similarity). Inhibits cell proliferation and endoplasmic reticulum (ER) stress-induced cell death.

**Sequence similarities**
Belongs to the ARMET family.

**Domain**
The N-terminal region may be responsible for neurotrophic activity while the C-terminal region may play a role in the ER stress response.

**Post-translational modifications**
May contain sialic acid residues.

**Cellular localization**
Secreted.

Images

**Western blot - Anti-ARMET/ARP antibody (ab67203)**

All lanes: Anti-ARMET/ARP antibody (ab67203) at 2 µg/ml

Lane 1: HEK-293 (human epithelial cell line from embryonic kidney) cell lysate
Lane 2: CaCo-2 (human colorectal adenocarcinoma cell line) cell lysate
Lane 3: Daudi (human Burkitt's lymphoma cell line) cell lysate
Lane 4: MCF7 (human breast adenocarcinoma cell line) cell lysate
Lane 5: SK-N-SH (human neuroblastoma cell line) cell lysate

Lysates/proteins at 15 µg per lane.

**Secondary**

All lanes: Goat anti-rabbit IgG (HRP) at 1/10000 dilution

Predicted band size: 20 kDa
Observed band size: 26 kDa
**Diluting buffer:** 5% NFDM/TBST.

Ab67203 (2.5 ug/ml) staining of ARMET/ARP in human brain tissue by IHC. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

**Lane 1:** Anti-ARMET/ARP antibody (ab67203) at 1 µg/ml  
**Lane 2:** Anti-ARMET/ARP antibody (ab67203) at 2 µg/ml  
**All lanes:** rat brain tissue lysate  

**Predicted band size:** 20 kDa

Immunofluorescent analysis of 4% paraformaldehyde fixed Human Brain tissue labeling ARMET/ARP using ab67203 at 20 µg/ml, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).

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

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