

Anti-ARMET/ARP antibody ab67271

[25 References](#) [5 Images](#)

Overview

Product name	Anti-ARMET/ARP antibody
Description	Rabbit polyclonal to ARMET/ARP
Host species	Rabbit
Specificity	ab67271 does not crossreact with CDNF.
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human ARMET/ARP (C terminal). The immunogen is located within the last 50 amino acids. 12 amino acid synthetic peptide. Database link: P55145
Positive control	WB: HEK-293, A431, A549, CaCo-2, Daudi, HeLa, Jurkat, SK-N-SH, THP-1, NIH/3T3, and YB2/0 cell lysates. IHC-P: Human brain tissue.
General notes	<p>Please see ab253243 as alternative product for testing human samples in WB and ICC/IF.</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. Store at +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab67271 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
ICC/IF		Use a concentration of 20 µg/ml. Not validated in mouse and rat samples
IHC-P		Use a concentration of 2.5 µg/ml. Not validated in mouse and rat samples
WB		Use a concentration of 0.125 - 2 µg/ml. Detects a band of approximately 17 kDa (predicted molecular weight: 21 kDa). Blocking conditions: 5% non-fat milk in TBS at 4 overnight.

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.

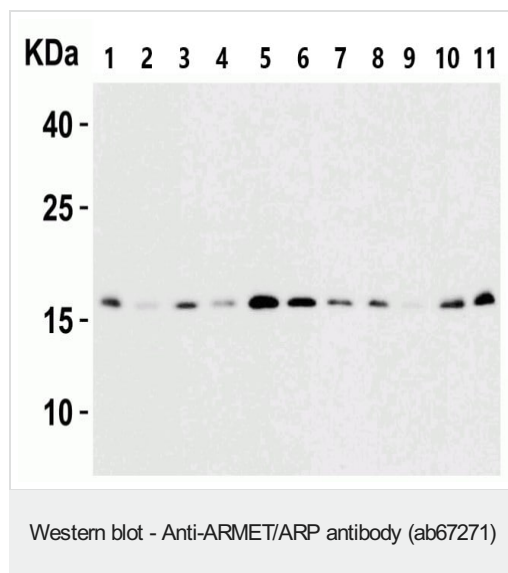
Post-translational modifications

May contain sialic acid residues.

Cellular localization

Secreted.

Images



All lanes : Anti-ARMET/ARP antibody (ab67271) at 2 µg/ml

Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

Lane 2 : A431 (human epidermoid carcinoma cell line) cell lysate

Lane 3 : A549 (human lung carcinoma cell line) cell lysate

Lane 4 : CaCo-2 (human colorectal adenocarcinoma cell line) cell lysate

Lane 5 : Daudi (human Burkitt's lymphoma cell line) cell lysate

Lane 6 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

Lane 7 : Jurkat (human T cell leukemia cell line from peripheral blood) cell lysate

Lane 8 : SK-N-SH (human neuroblastoma cell line) cell lysate
Lane 9 : THP-1 (human monocytic leukemia cell line) cell lysate
Lane 10 : NIH/3T3 (mouse embryo fibroblast cell line) cell lysate
Lane 11 : YB2/0 (rat B cell lymphoblast cell line) cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

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

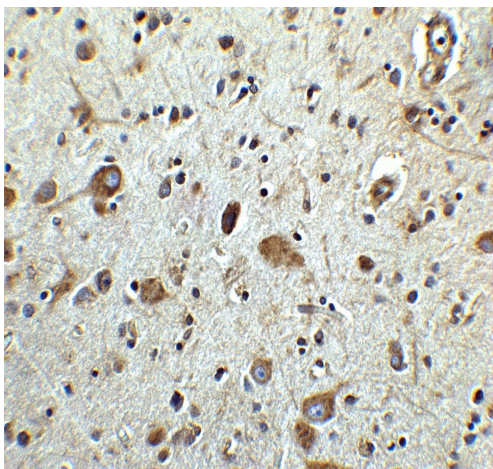
Predicted band size: 21 kDa

Observed band size: 17 kDa

Blocking conditions: 5% non-fat milk in TBS at 4 overnight.

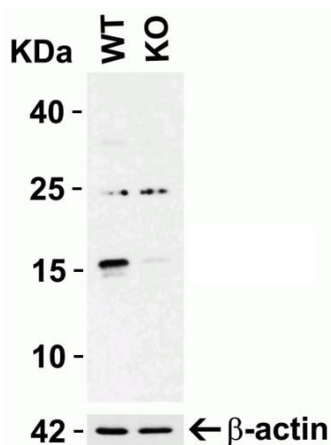
Primary antibody: Room temperature for 1 hour

Diluting buffer: 5% NFDM/TBST.



ab67271 at 2.5 µg/ml staining of ARMET/ARP in human brain tissue using IHC-P. 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.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARMET/ARP antibody (ab67271)



Western blot - Anti-ARMET/ARP antibody (ab67271)

All lanes : Anti-ARMET/ARP antibody (ab67271) at 1 µg/ml

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : ARMET/ARP knock-out HEK293T cell lysate

Lysates/proteins at 10 µg per lane.

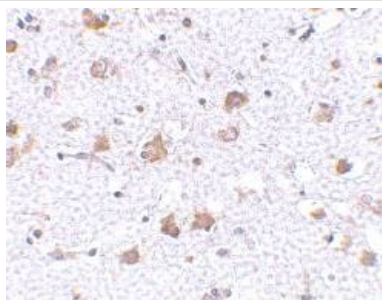
Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) at 1/10000 dilution

Predicted band size: 21 kDa

Observed band size: 17 kDa

Diluting buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARMET/ARP antibody (ab67271)

ab67271 at 2.5 µg/ml staining of ARMET/ARP in human brain tissue using IHC-P. 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.

Immunocytochemistry/ Immunofluorescence - Anti-ARMET/ARP antibody (ab67271)

Immunofluorescent analysis of 4% paraformaldehyde fixed human brain cells labeling ARMET/ARP in Human Brain cells using ab67271 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).

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