

Product datasheet

Anti-ARD1A antibody ab155687

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Overview

Product name	Anti-ARD1A antibody
Description	Rabbit polyclonal to ARD1A
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 1-235 of Human ARD1A (UniProt: P41227).
Positive control	H1299 cell lysates, transfected with scramble siRNA and ARD1A siRNA; NIH 3T3, JC, BCL1, C2C12 and RAW264.7 whole cell lysates; HeLa cells; Human PC13 xenograft tissue.
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

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155687 in the following tested applications.

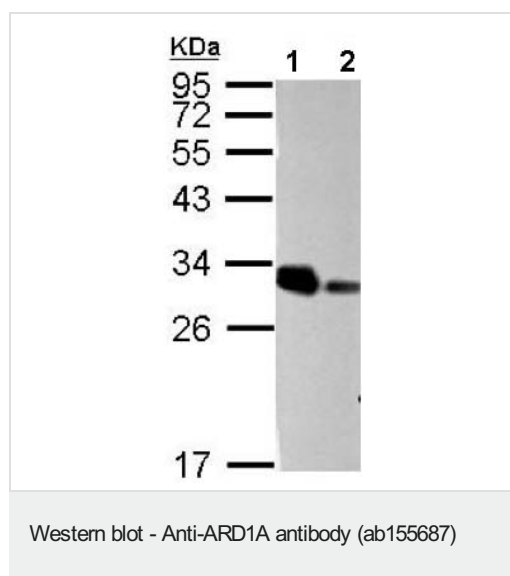
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 26 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

Target

Function	In complex with NAA15, displays alpha (N-terminal) acetyltransferase activity. Without NAA15, displays epsilon (internal) acetyltransferase activity towards HIF1A, thereby promoting its degradation.
Tissue specificity	Ubiquitous.
Sequence similarities	Belongs to the acetyltransferase family. ARD1 subfamily. Contains 1 N-acetyltransferase domain.
Post-translational modifications	Cleaved by caspases during apoptosis.
Cellular localization	Cytoplasm. Nucleus. According to PubMed:12464182 it is cytoplasmic. According to PubMed:15496142, it is nuclear and cytoplasmic. Also present in the free cytosolic and cytoskeleton-bound polysomes.

Images



All lanes : Anti-ARD1A antibody (ab155687) at 1/5000 dilution

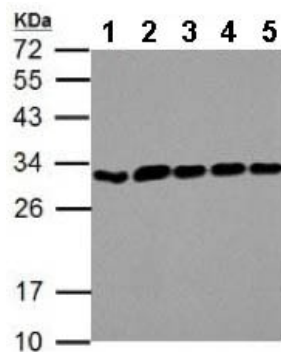
Lane 1 : H1299 cell lysate, transfected with scramble siRNA

Lane 2 : H1299 cell lysate, transfected with ARD1A siRNA

Lysates/proteins at 30 µg per lane.

Predicted band size: 26 kDa

12% SDS PAGE



Western blot - Anti-ARD1A antibody (ab155687)

All lanes : Anti-ARD1A antibody (ab155687) at 1/1000 dilution

Lane 1 : NIH 3T3 whole cell lysate

Lane 2 : JC whole cell lysate

Lane 3 : BCL1 whole cell lysate

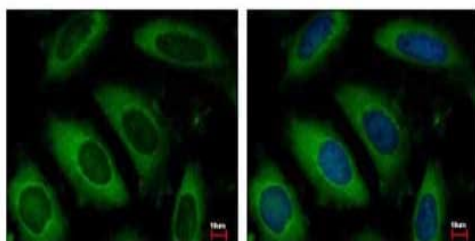
Lane 4 : C2C12 whole cell lysate

Lane 5 : RAW264.7 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 26 kDa

12% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-ARD1A antibody (ab155687)

Immunofluorescent analysis of methanol-fixed HeLa cells (100% for 5 mins) labeling ARD1A with ab155687 at 1/500 dilution. Lower image shows cells co-stained with Hoechst 33342.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARD1A antibody (ab155687)

Immunohistochemical analysis of paraffin-embedded Human PC13 xenograft tissue labeling ARD1A with ab155687 at 1/500 dilution.

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