


## Product datasheet

# Anti-TDRD3 antibody ab95879

3 Images

### Overview

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<b>Product name</b>	Anti-TDRD3 antibody
<b>Description</b>	Rabbit polyclonal to TDRD3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Rabbit, Chicken, Cow, Dog, Turkey, Pig, <i>Xenopus laevis</i> , Chimpanzee, Rhesus monkey, Gorilla, Orangutan, <i>Xenopus tropicalis</i> , Platypus 
<b>Immunogen</b>	Synthetic peptide, corresponding to a region between residues 601 and 651 of Human TDRD3 (NP_110421.1).
<b>Positive control</b>	HeLa, 293T and NIH3T3 whole cell lysates.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab95879 was affinity purified using an epitope specific to TDRD3 immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab95879 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: 73 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

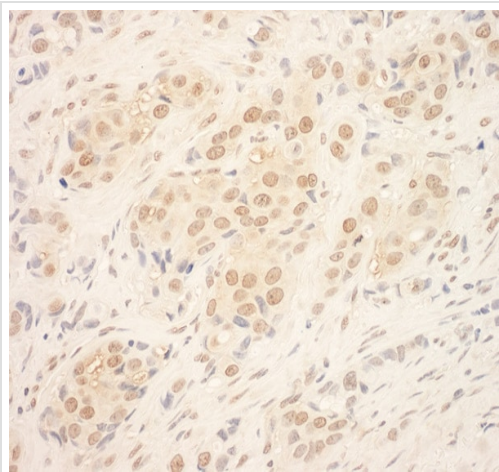
## Target

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<b>Function</b>	Scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. In nucleus, acts as a coactivator: recognizes and binds asymmetric dimethylation on the core histone tails associated with transcriptional activation (H3R17me2a and H4R3me2a) and recruits proteins at these arginine-methylated loci. In cytoplasm, may play a role in the assembly and/or disassembly of mRNA stress granules and in the regulation of translation of target mRNAs by binding Arg/Gly-rich motifs (GAR) in dimethylarginine-containing proteins.
<b>Tissue specificity</b>	Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
<b>Sequence similarities</b>	Contains 1 Tudor domain. Contains 1 UBA domain.
<b>Domain</b>	The Tudor domain specifically recognizes and binds asymmetric dimethylation of histone H3 'Arg-17' (H3R17me2a) and histones H4 'Arg-3', 2 tags for epigenetic transcriptional activation.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Predominantly cytoplasmic. Associated with actively translating polyribosomes and with mRNA stress granules.

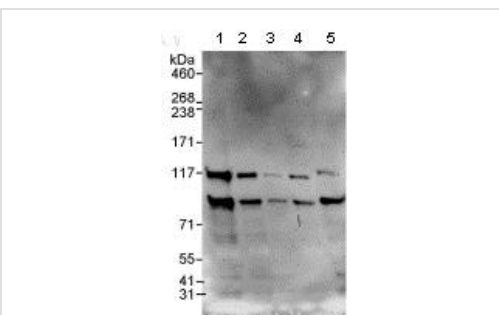
## Images

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TDRD3 antibody (ab95879)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling TDRD3 with ab95879 at 1/1000 (1µg/ml). Detection: DAB.



Western blot - Anti-TDRD3 antibody (ab95879)

**All lanes :** Anti-TDRD3 antibody (ab95879) at 0.1 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

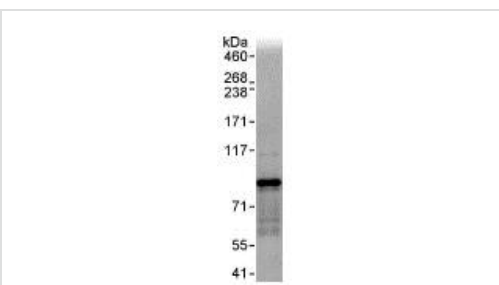
**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

**Lane 5 :** NIH3T3 whole cell lysate at 50 µg

**Predicted band size:** 73 kDa

**Exposure time:** 3 minutes



Immunoprecipitation - Anti-TDRD3 antibody (ab95879)

Detection of TDRD3 by Western Blot of Immunoprecipitate. ab95879 at 0.4µg/ml staining TDRD3 in HeLa whole cell lysate immunoprecipitated using ab95879 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Detection: Chemiluminescence with exposure time of 30 seconds.

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