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Datasheet for ABIN656852

## anti-C9ORF72 antibody (C-Term)

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### Overview

Quantity:	400 µL
Target:	C9ORF72
Binding Specificity:	AA 396-424, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C9ORF72 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This C9orf72 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 396-424 amino acids from the C-terminal region of human C9orf72.
Clone:	RB27382
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	C9ORF72
Alternative Name:	C9orf72 ( <a href="#">C9ORF72 Products</a> )

## Target Details

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Molecular Weight:	54328
Gene ID:	203228
NCBI Accession:	<a href="#">NP_001242983</a> , <a href="#">NP_060795</a> , <a href="#">NP_659442</a>
UniProt:	<a href="#">Q96LT7</a>

## Application Details

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Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

## Handling

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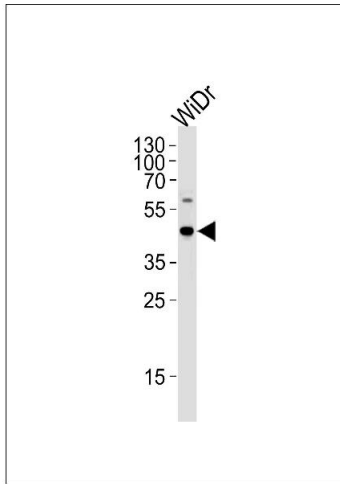
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	C9orf72 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

## Publications

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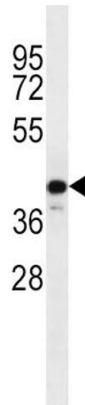
Product cited in:	<p>Davidson, Robinson, Rollinson, Pickering-Brown, Xiao, Robertson, Mann: "Immunohistochemical detection of C9orf72 protein in frontotemporal lobar degeneration and motor neurone disease: patterns of immunostaining and an evaluation of commercial antibodies." in: <b>Amyotrophic lateral sclerosis &amp; frontotemporal degeneration</b>, Vol. 19, Issue 1-2, pp. 102-111, (2018) (<a href="#">PubMed</a>).</p> <p>Sullivan, Zhou, Robins, Paushter, Kim, Smolka, Hu: "The ALS/FTLD associated protein C9orf72 associates with SMCR8 and WDR41 to regulate the autophagy-lysosome pathway." in: <b>Acta neuropathologica communications</b>, Vol. 4, Issue 1, pp. 51, (2017) (<a href="#">PubMed</a>).</p>
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Burberry, Suzuki, Wang, Moccia, Mordes, Stewart, Suzuki-Uematsu, Ghosh, Singh, Merkle, Koszka, Li, Zon, Rossi, Trowbridge, Notarangelo, Eggan: "Loss-of-function mutations in the C9ORF72 mouse ortholog cause fatal autoimmune disease." in: **Science translational medicine**, Vol. 8, Issue 347, pp. 347ra93, (2017) ([PubMed](#)).



#### Western Blotting

**Image 1.** C9orf72 Antibody (C-term) (ABIN656852 and ABIN2846057) western blot analysis in WiDr cell lysate (35  $\mu$ g/lane). This demonstrates that the C9orf72 antibody detected C9orf72 protein (arrow).



#### Western Blotting

**Image 2.** C9orf72 Antibody (C-term) (ABIN656852 and ABIN2846057) western blot analysis in MDA-M cell line lysates (35  $\mu$ g/lane). This demonstrates the C9orf72 antibody detected the C9orf72 protein (arrow).