Datasheet for ABIN264972

anti-RED1 antibody (AA 6-66)

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Overview

Quantity:	50 µg
Target:	RED1 (ADARB1)
Binding Specificity:	AA 6-66
Reactivity:	Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This RED1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	GST fusion protein containing aa 6-66 of the rat RED1 coding sequence
Isotype:	IgG
Specificity:	This antibody recognizes ADAR2 (Adenosine Deaminase Acting on RNA 2).
Purification:	Purified

Target Details

Target:	RED1 (ADARB1)
Alternative Name:	ADARB1 / ADAR2 (ADARB1 Products)
Background:	RED 1 also called ADAR2 is involved in the editing of the messenger RNAs for glutamate receptor (GluR) subunits by siteselective adenosine deamination. It edits both the GluR-B Q/R

Target Details

	and R/G sites efficiently but converts the adenosine in hotspot1 much less efficiently.Synonyms: DRADA2, Double-stranded RNA-specific editase 1, RED1, RNA-editing deaminase 1, RNA-editing enzyme 1, dsRNA adenosine deaminase
Molecular Weight:	80.7 kDa
Gene ID:	25367
NCBI Accession:	NP_001104525
UniProt:	P51400

Application Details

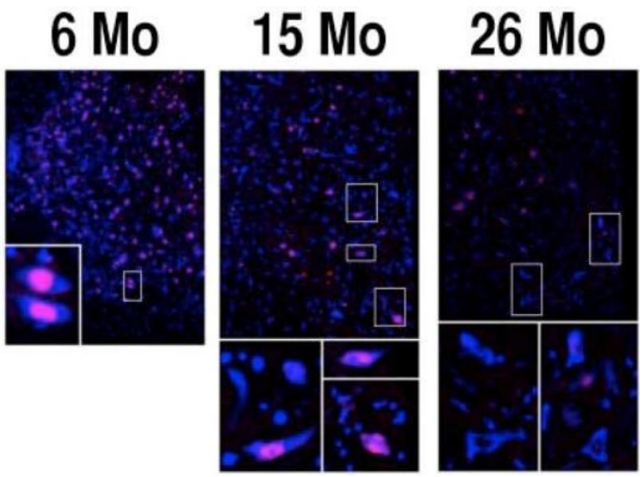
Application Notes:	Western Blot: 1: 1000. POSITIVE CONTROL: Rat Brain. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20 °C only.

Publications

Product cited in:	Yamashita, Chai, Teramoto, Tsuji, Shimazaki, Muramatsu, Kwak: "Rescue of amyotrophic lateral sclerosis phenotype in a mouse model by intravenous AAV9-ADAR2 delivery to motor neurons." in: **EMBO molecular medicine**, Vol. 5, Issue 11, pp. 1710-9, (2013) (PubMed). Dorsam, Graeler, Seroogy, Kong, Voice, Goetzl: "Transduction of multiple effects of sphingosine 1-phosphate (S1P) on T cell functions by the S1P1 G protein-coupled receptor." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 171, Issue 7, pp. 3500-7, (2003) (PubMed).



Immunofluorescence

Image 1. Immunofluorescence staining of mouse anterior horns of spinal cord at 6 months, 15 months and 26 months of age. Antibody used at 1/100 dilution and visualized using Donkey anti-Sheep conjugated to Alexa 555 Dye (red color). The blue color is a fluorescent nuclear probe, TOPRO3. (Image modified from original in citation 1)