Datasheet for ABIN2778757

anti-RED1 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	RED1 (ADARB1)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Zebrafish (Danio rerio), Cow, Dog, Horse, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RED1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ADARB1
Sequence:	QLSNGGGGGP GRKRPLEEGS NGHSKYRLKK RRKTPGPVLP KNALMQLNEI
Predicted Reactivity:	Cow: 83%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against ADARB1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	RED1 (ADARB1)

Target Details

Alternative Name:	ADARB1 (ADARB1 Products)
Background:	ADARB1 is an enzyme responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site.This gene encodes the enzyme responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site. Alternative splicing of this gene results in several transcript variants, some of which have been characterized by the presence or absence of an ALU cassette insert and a short or long C-terminal region. Alias Symbols: RED1, ADAR2, DRABA2, DRADA2 Protein Interaction Partner: EBNA1BP2, IFRD2, CCDC124, NIFK, C7orf50, C1orf35, STRBP, BRIX1, SDAD1, ZFR, NOP16, MRTO4, RRS1, BMI1, APP, UBC, PPP2CB, WWP2, PIN1, Protein Size: 701
Molecular Weight:	77 kDa
Gene ID:	104
NCBI Accession:	NM_001112, NP_001103
UniProt:	Q4AE79

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 701 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

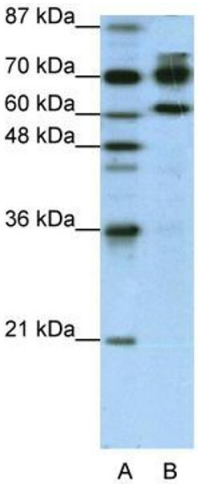
Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

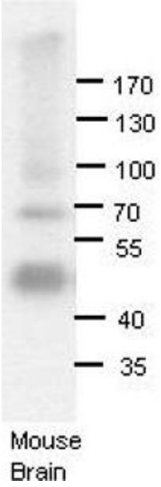
Product cited in:	Huang, Chen, Wu, Huang, He, Tang, Wang, Wang: "The zebrafish miR-462/miR-731 cluster is induced under hypoxic stress via hypoxia-inducible factor 1α and functions in cellular adaptations." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 29, Issue 12, pp. 4901-13, (2015) (PubMed).

Images



Western Blotting

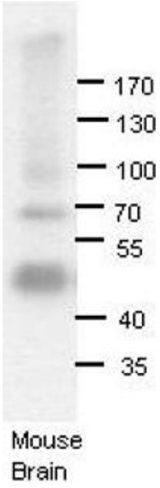
Image 1. WB Suggested Anti-ADARB1 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2 cell lysate



ADARB1 (ARP40342_T100)

Western Blot
Lane 1: Mouse Brain
1:1000 dilution with 5% milk

Image 2.



Western Blotting

Image 3. ADARB1 antibody - N-terminal region validated by WB using Mouse brains at 1:1000.

