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# Datasheet for ABIN2780915 anti-NR2E3 antibody (N-Term)

1 Image

1 Publication



#### Overview

Quantity:	100 µL
Target:	NR2E3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR2E3 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Alternative Name:

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NR2E3
Sequence:	METRPTALMS STVAAAAPAA GAASRKESPG RWGLGEDPTG VSPSLQCRVC
Predicted Reactivity:	Cow: 86%, Human: 100%, Mouse: 93%, Pig: 79%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against NR2E3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified
Target Details	
Target:	NR2E3

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NR2E3 (NR2E3 Products)

Target Details	
Background:	NR2E3 is part of a large family of nuclear receptor transcription factors involved in signaling
	pathways. Nuclear receptors have been shown to regulate pathways involved in embryonic
	development, as well as in maintenance of proper cell function in adults. NR2E3 is a retinal
	nuclear receptor that is a ligand-dependent transcription factor. Defects in this gene are a cause
	of enhanced S cone syndrome. This protein is part of a large family of nuclear receptor
	transcription factors involved in signaling pathways. Nuclear receptors have been shown to
	regulate pathways involved in embryonic development, as well as in maintenance of proper cell
	function in adults. Members of this family are characterized by discrete domains that function
	in DNA and ligand binding. This gene encodes a retinal nuclear receptor that is a ligand-
	dependent transcription factor. Defects in this gene are a cause of enhanced S cone syndrome.
	Alternatively spliced transcript variants encoding different isoforms have been identified.
	Alias Symbols: PNR, RNR, rd7, ESCS, RP37
	Protein Interaction Partner: BCL11A, SIN3A, DHX30, TBL3, MYBBP1A, NCOR1, HDAC3, RBL1,
	RBBP7, RBBP4, HDAC1, CDK9, VDR, DEDD2, RBFOX2, IRF9, ZNF232, SNAPC1, PPARG, HOXC13,
	NR3C1, ELAVL2, POLR3D, RARA, NR1D1, CRX, RXRB, RXRA,
	Protein Size: 410
Molecular Weight:	45 kDa

Molecular Weight:	45 kDa
Gene ID:	10002
NCBI Accession:	NM_014249, NP_055064
UniProt:	Q9Y5X4
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway

### Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 410 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.

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Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which 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:	Hayashi, Gekka, Goto-Omoto, Takeuchi, Kubo, Kitahara: "Novel NR2E3 mutations (R104Q,	
	R334G) associated with a mild form of enhanced S-cone syndrome demonstrate compound	

#### Images



heterozygosity." in: Ophthalmology, Vol. 112, Issue 12, pp. 2115, (2005) (PubMed).