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# Datasheet for ABIN2790129 anti-RDH8 antibody (Middle Region)

Image



#### Overview

Quantity:	100 µL
Target:	RDH8
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Pig, Rabbit, Rat, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RDH8 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human RDH8
Sequence:	FDTNFFGAVR LVKAVLPGMK RRRQGHIVVI SSVMGLQGVI FNDVYAASKF
Predicted Reactivity:	Cow: 93%, Dog: 92%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against RDH8. It was validated on Western Blot.
Purification:	Affinity Purified
Target Details	

Target:	RDH8
Alternative Name:	RDH8 (RDH8 Products)

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## Target Details

Background:	All-trans-retinol dehydrogenase (RDH8) is a visual cycle enzyme that reduces all-trans-retinal to
	all-trans-retinol in the presence of NADPH (Rattner et al., 2000 [PubMed 10753906]). It is a
	member of the short chain dehydrogenase/reductase family and is located in the outer
	segments of photoreceptors, hence it is also known as photoreceptor retinol dehydrogenase. It
	is important in the visual cycle by beginning the rhodopsin regeneration pathway by reducing
	all-trans-retinal, the product of bleached and hydrolysed rhodopsin.
	Alias Symbols: PRRDH, SDR28C2
	Protein Size: 311
Molecular Weight:	34 kDa
Gene ID:	50700
NCBI Accession:	NM_015725, NP_056540
UniProt:	Q9NYR8

### Application Details

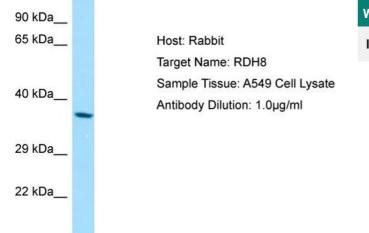
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 311 AA
Restrictions:	For Research Use only

## 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 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.

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#### Images



Western Blotting

Image 1.

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