

Datasheet for ABIN2790129
anti-RDH8 antibody (Middle Region)[Go to Product page](#)

1 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 SSVMLQGV 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)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: PRRDH, SDR28C2</p> <p>Protein Size: 311</p>
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Molecular Weight:	34 kDa
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Gene ID:	50700
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NCBI Accession:	NM_015725 , NP_056540
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UniProt:	Q9NYR8
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Application Details

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

Format:	Liquid
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Concentration:	Lot specific
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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
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-20 °C
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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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