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## Datasheet for ABIN1385760 **anti-DYDC1 antibody (AA 101-177)**

### Overview

Quantity:	100 µL
Target:	DYDC1
Binding Specificity:	AA 101-177
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYDC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DYDC1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	DYDC1
Alternative Name:	Dydc1 ( <a href="#">DYDC1 Products</a> )

## Target Details

Background:	<p>Synonyms: DPY30 domain-containing protein 1, DPY30D1, DYDC1, DYDC1_HUMAN, RSD 9, RSD9.</p> <p>Background: The Dumpy-30 (DPY-30) protein was first described in <i>C. elegans</i>, in which it is involved in dosage compensation of sex chromosomes. Conserved from yeast to humans, the DPY-30 family is involved in gene expression and chromatin modification, specifically histone methylation. DPY-30 and closely related proteins contain a short motif that is related to the dimerization motif in the regulatory subunit of protein kinase A (PKA), which consists of two <math>\alpha</math>-helices that form a four-helix bundle during dimerization. As a member of the DPY-30 family, DYDC1 (DPY30 domain-containing protein 1), also known as DPY30D1 and RSD9, is a 177 amino acid protein that binds to Endophilin III and plays a crucial role during acrosome biogenesis. DYDC1 is specifically expressed in brain and testis and accumulates in the acrosome area during spermatogenesis. Knockdown of DYDC1 mRNA results in disruption of acrosome formation and spermatid differentiation.</p>
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Gene ID:	143241
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## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 $\mu$ g/ $\mu$ L
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

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Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months