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Datasheet for ABIN1413285  
**anti-DLGAP4 antibody (AA 261-370) (Cy3)**

### Overview

Quantity:	100 µL
Target:	DLGAP4
Binding Specificity:	AA 261-370
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLGAP4 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SAPAP4/DLGAP4
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

### Target Details

Target:	DLGAP4
Alternative Name:	SAPAP4/DLGAP4 ( <a href="#">DLGAP4 Products</a> )

## Target Details

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Background:	<p>Synonyms: DAP 4, DAP-4, DAP4, Discs, large Drosophila homolog associated protein 4, Disks large associated protein 4, Disks large-associated protein 4, DLGAP4, DLGP4_HUMAN, DLP4, PSD 95/SAP90 binding protein 4, PSD-95/SAP90-binding protein 4, RP5-977B1.6, SAP90/PSD-95-associated protein 4, SAPAP 4, SAPAP-4, SAPAP4.</p> <p>Background: A guanylate kinase is a phosphotransferase that produces ADP and GDP from the substrates ATP and GMP. SAPAP4 is a 992 amino acid protein that likely localizes to the postsynaptic membrane of neurons to enhance neuronal signaling. SAPAP4 could act as a signaling molecule which interacts with the human genes DLG1 and DLG4/PSD-95. The gene encoding SAPAP4, DLGAP4, maps to human chromosome 20. Comprising approximately 2 % of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception.</p>
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## Application Details

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Application Notes:	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

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % 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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months