

CGNL1 Rabbit pAb

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Catalog # AP55329

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q0VF96
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	149079
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CGNL1
Epitope Specificity	1101-1302/1302
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell junction > tight junction. Localizes to the apical junction complex composed of tight and adherens junctions.
DISEASE	A chromosomal aberration involving CGNL1 is a cause of aromatase excess syndrome [MIM:139300]. This is characterized by an estrogen excess due to an increased aromatase activity. An inversion on inv(15)(q21.2;q21.3) moves the promoter of the CGNL1 gene into a 5-prime position in relation to the aromatase coding region.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the cingulin family. The encoded protein localizes to both adherens and tight cell-cell junctions and mediates junction assembly and maintenance by regulating the activity of the small GTPases RhoA and Rac1. Heterozygous chromosomal rearrangements resulting in association of the promoter for this gene with the aromatase gene are a cause of aromatase excess syndrome. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Nov 2011]

Additional Information

Gene ID	84952
Other Names	Cingulin-like protein 1, Junction-associated coiled-coil protein, Paracingulin, CGNL1, JACOP, KIAA1749
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CGNL1
Synonyms	JACOP, KIAA1749
Function	May be involved in anchoring the apical junctional complex, especially tight junctions, to actin-based cytoskeletons.
Cellular Location	Cell junction, tight junction {ECO:0000250 UniProtKB:Q6AW69}. Note=Localizes to the apical junction complex composed of tight and adherens junctions (PubMed:22891260). In the liver and kidney, it is also found along non-junctional actin filament bundles in addition to the apical junction (By similarity) {ECO:0000250 UniProtKB:Q6AW69, ECO:0000269 PubMed:22891260}
Tissue Location	Smooth muscle, spleen, testis, fetal brain, amygdala, corpus callosum, cerebellum, thalamus and subthalamic nucleus of adult brain.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.