

KIAA1462 Rabbit pAb

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Catalog # AP55274

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9P266
Predicted	Rat, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	148351
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIAA1462
Epitope Specificity	1251-1359/1359
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, adherens junction (By similarity). Note=Colocalizes with VE-Cadherin, in endothelial cells but not in epithelial cells (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KIAA1462 is a 1,359 amino acid protein that colocalizes with VE-Cadherin specifically in endothelial cells and not epithelial cells. KIAA1462 is post-translationally phosphorylated at four serine residues and is involved in cellular adhesion. The gene encoding KIAA1462 maps to human chromosome 10, which contains over 800 genes and 135 million nucleotides, making up nearly 4.5% of the human genome. PTEN is an important tumor suppressor gene located on chromosome 10 and, when defective, causes a genetic predisposition to cancer development known as Cowden syndrome. The chromosome 10 encoded gene ERCC6 is important for DNA repair and is linked to Cockayne syndrome which is characterized by extreme photosensitivity and premature aging. Tetrahydrobiopterin deficiency and a number of syndromes involving defective skull and facial bone fusion are also linked to chromosome 10. As with most trisomies, trisomy 10 is rare and is deleterious.

Additional Information

Gene ID	57608
Other Names	Junctional cadherin 5-associated protein, Junctional protein associated with coronary artery disease, JCAD, JCAD (HGNC:29283)
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.
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Protein Information

Name	JCAD (HGNC:29283)
Cellular Location	Cell junction, adherens junction {ECO:0000250 UniProtKB:Q5DTX6}. Note=Colocalizes with CDH5/VE-Cadherin in endothelial cells but not in epithelial cells {ECO:0000250 UniProtKB:Q5DTX6}

Background

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