

Focadhesin Rabbit pAb

Focadhesin Rabbit pAb Catalog # AP56159

Product Information

Application IHC-P, IHC-F, IF

Primary Accession Q5VW36

Reactivity Rat, Mouse, Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 200058
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human Focadhesin

Epitope Specificity 1-100/1801 **Isotype** IgG

Purity affinity purified by Protein A

SUBCELLULAR LOCATION

SUBUNIT Important Note

Buffer

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Membrane. Cell junction; focal adhesion. Colocalizes with VCL in astrocytes. Interacts with VCL.

This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions

Chromosome 9 consists of about 145 million bases and 4% of the human genome and encodes nearly 900 genes. Considered to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, is associated with the chromosome 9 gene encoding endoglin protein, ENG. Familial dysautonomia is also associated with chromosome 9 though through the gene IKBKAP. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in the translocation leading to the aberrant production of BCR-ABL fusion protein often found in leukemias. The KIAA1797 gene product has been provisionally designated KIAA1797 pending further characterization.

characterization.

Additional Information

Gene ID 54914

Other Names Focadhesin, FOCAD (<u>HGNC:23377</u>), KIAA1797

Target/Specificity Ubiquitous. High expression in brain followed by testis, muscle, pancreas,

heart, ovary, small intestine, placenta, prostate, thymus, kidney, colon, liver, lung, spleen and leukocytes. Expression is reduced in most glioblastomas and

all glioblastoma cell lines.

Dilution IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500

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 FOCAD (HGNC:23377)

Synonyms KIAA1797

Function Required for the maintenance of SKIC2 and SKIC3 proteostatic levels in the

liver. May be involved in the regulation of RNA degradation by the exosome complex (PubMed:35864190). Potential tumor suppressor in gliomas.

Cell junction, focal adhesion. Cytoplasm, cytosol. Note=In astrocytes,

colocalizes with VCL to the end of actin stress fibers, which normally terminate at focal adhesions. In hepatocytes, it is found in the cytosol

Tissue Location Ubiquitous. High expression in brain followed by testis, muscle, pancreas,

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