10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Focadhesin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56159

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q5VW36
Reactivity	Rat, Pig, 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
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane. Cell junction; focal adhesion. Colocalizes with VCL in astrocytes.
SUBUNIT	Interacts with VCL.
Important Note	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.

Additional Information

Gene ID	54914
Other Names	Focadhesin, FOCAD, 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=1:100-500,IF=1:100-500
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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.
Cellular Location	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, 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.