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F2RL2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12288a

Product Information

Application	WB, IHC-P, E
Primary Accession	O00254
Other Accession	NP_004092.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31043
Calculated MW	42508
Antigen Region	21-50

Additional Information

Gene ID	2151
Other Names	Proteinase-activated receptor 3, PAR-3, Coagulation factor II receptor-like 2, Thrombin receptor-like 2, F2RL2, PAR3
Target/Specificity	This F2RL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human F2RL2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	F2RL2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	F2RL2
Synonyms	PAR3
Function	Receptor for activated thrombin coupled to G proteins that stimulate

phosphoinositide hydrolysis.

Cellular Location Cell membrane; Multi-pass membrane protein.

Tissue Location Highest expression in the megakaryocytes of the bone marrow, lower in mature megakaryocytes, in platelets and in a variety of other tissues such as heart and gut

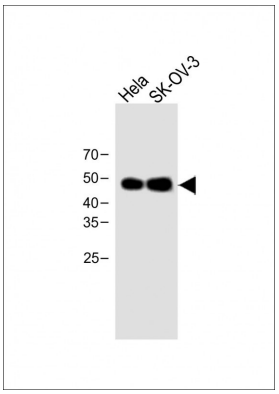
Background

Coagulation factor II (thrombin) receptor-like 2 (F2RL2) is a member of the large family of 7-transmembrane-region receptors that couple to guanosine-nucleotide-binding proteins. F2RL2 is also a member of the protease-activated receptor family and activated by thrombin. F2RL2 is activated by proteolytic cleavage of its extracellular amino terminus. The new amino terminus functions as a tethered ligand and activates the receptor. F2RL2 is a cofactor for F2RL3 activation by thrombin. It mediates thrombin-triggered phosphoinositide hydrolysis and is expressed in a variety of tissues.

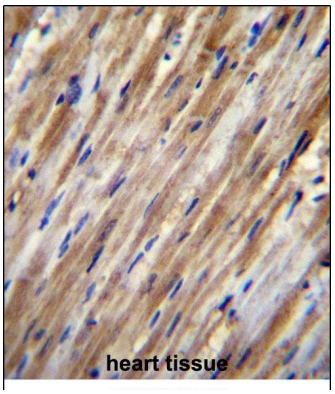
References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Popovic, M., et al. J. Thromb. Thrombolysis 30(2):164-171(2010)
Van Laer, L., et al. Eur. J. Hum. Genet. 18(6):685-693(2010)
Wysoczynski, M., et al. Mol. Cancer Res. 8(5):677-690(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

Images



All lanes: Anti-F2RL2 Antibody (N-term) at 1:500 dilution Lane 1: Hela whole cell lysate Lane 2: SK-OV-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 49 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



F2RL2 Antibody (N-term) (Cat. #AP12288a)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of F2RL2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.