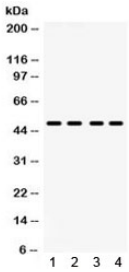
PAR2 Antibody / F2RL1 (R32144)

Catalog No.	Formulation	Size
R32144	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P55085
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This PAR2 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) COLO320, 3) SW620, 4) HepG2 lysate with PAR2 antibody. Expected molecular weight: 33-48 kDa (unmodified), 55-100 kDa (glycosylated). (Ref 1)

Description

Protease activated receptor 2 (PAR2), also known ascoagulation factor II (thrombin) receptor-like 1 (F2RL1) or G-protein coupled receptor 11 (GPR11), is a protein that in humans is encoded by the F2RL1 gene. F2RL1 is a member of the large family of 7-transmembrane-region receptors that couple to guanosine-nucleotide-binding proteins. F2RL1 is also a member of the protease-activated receptor family. It is activated by trypsin, but not by thrombin. It is activated by proteolytic cleavage of its extracellular amino terminus. The new amino terminus functions as a tethered ligand and activates the receptor. The F2RL1 gene contains two exons and is widely expressed in human tissues. Additionally, PAR2 modulates inflammatory responses and acts as a sensor for proteolytic enzymes generated during infection.

Application Notes

Optimal dilution of the PAR2 antibody should be determined by the researcher.

Immunogen

Amino acids HDFRDHAKNALLCRSVRTVKQMQVSLTSKKHSRKS of human F2RL1/PAR2 were used as the immunogen for the PAR2 antibody.

Storage

After reconstitution, the PAR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

References (1)

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