



Rabbit Anti-PAR4 antibody

SL1196R

Product Name PAR4

Chinese Name 蛋白酶活化受体 4 抗体

Alias F2RL3; F2R Like Thrombin/Trypsin Receptor 3; Coagulation Factor II (Thrombin) Receptor-Like 3; Thrombin Receptor-Like 3; PAR-4; Coagulation Factor II Receptor-Like 3; Proteinase-Activated Receptor-4; Proteinase-Activated Receptor 4; Protease-Activated Receptor-4; PAR4_HUMAN;

Research Area Cell biology Signal transduction Kinases and Phosphatases The cell membrane 受体

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human Mouse Rat

Applications WB=1:500-2000 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 41kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human Proteinase-activated receptor 4: 301-385/385

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution Human,Mouse,Rat1M TBS(pH7.4) with 1% BSA, Human,Mouse,Rat3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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Coagulation factor II (thrombin) receptor-like 3 (F2RL3) is a member of the large family of 7-transmembrane-region receptors that couple to guanosine-nucleotide-binding proteins. F2RL3 is also a member of the protease-activated receptor family. F2RL3 is activated by proteolytic cleavage of its extracellular amino terminus. The new amino terminus functions as a tethered ligand and activates the receptor. F2RL3 is activated by thrombin and trypsin. [provided by RefSeq, Jul 2008]

Function:

Receptor for activated thrombin or trypsin coupled to G proteins that stimulate phosphoinositide hydrolysis. May play a role in platelets activation.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Widely expressed, with highest levels in lung, pancreas, thyroid, testis and small intestine. Not expressed in brain, kidney, spinal cord and peripheral blood leukocytes. Also detected in platelets.

Product Detail

Post-translational modifications:

A proteolytic cleavage generates a new N-terminus that functions as a tethered ligand.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

Q96RI0

Gene ID:

9002

Database links:

[Entrez Gene: 9002](#) Human

[Omim: 602779](#) Human

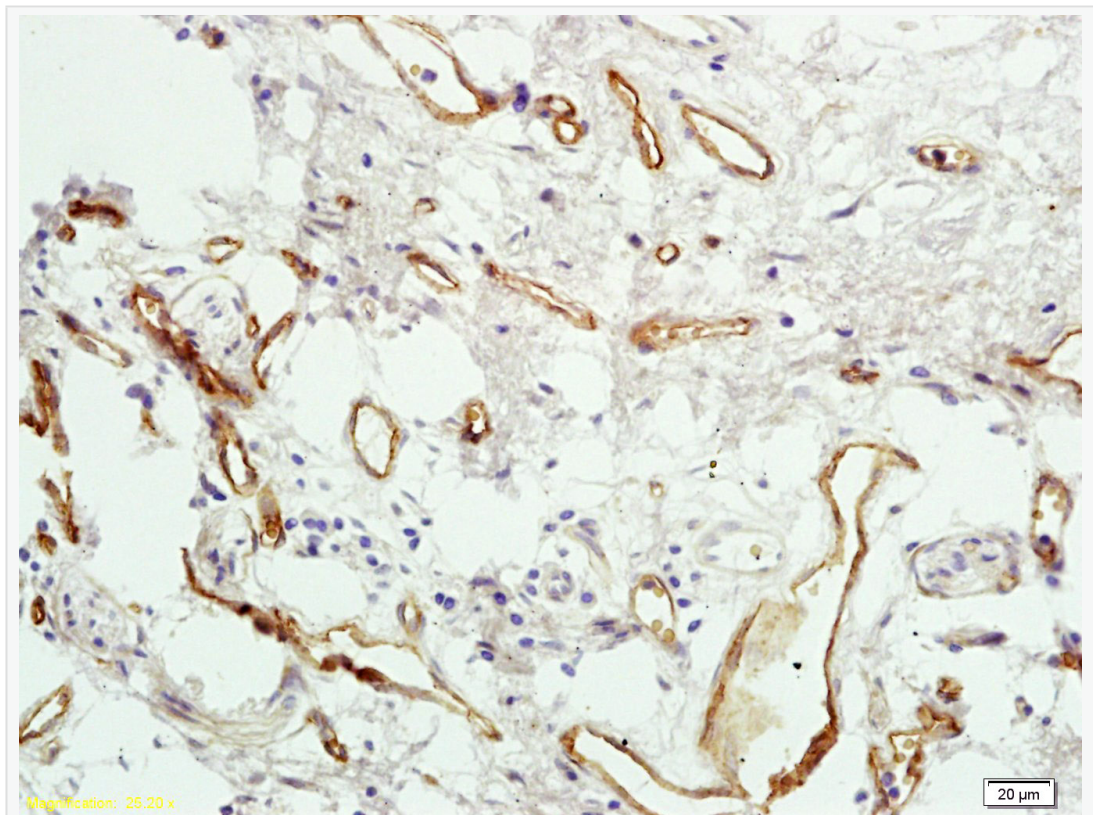
[SwissProt: Q96RI0](#) Human

[Unigene: 137574](#) Human

蛋白酶活化受体-4 是蛋白酶活化受体 PARs (protease-activated receptors , PARs) 的成员之一, PAR4 在激活、灭活、脱敏、复敏、及其与 Signal transduction 途径的关系,尤其是与疾病的关系正倍受关注。

PAR4 具有广泛的生物学效应,最终影响细胞的形态的改变、分泌蛋白和整合蛋白的活化、代谢反应、转录过程和细胞运动,由此参与细胞的 Signal transduction 作用。

Product Picture



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (Human,Mouse,Rat1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min;

Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;



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Incubation: Anti-PAR4 Polyclonal Antibody, Unconjugated(SL1196R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining