Best Tools for immunology Research

PAR1 (Cleaved-Ser42) Polyclonal Antibody

Catalog No :	YT6162
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	PAR1
Fields :	>>Rap1 signaling pathway;>>Calcium signaling pathway;>>cAMP signaling pathway;>>Phospholipase D signaling pathway;>>Neuroactive ligand-receptor interaction;>>PI3K-Akt signaling pathway;>>Complement and coagulation cascades;>>Platelet activation;>>Regulation of actin cytoskeleton;>>Pathogenic Escherichia coli infection;>>Pathways in cancer
Gene Name :	F2R CF2R PAR1 TR
Protein Name :	Proteinase-activated receptor 1 (PAR-1) (Coagulation factor II receptor) (Thrombin receptor)
Human Gene Id :	2149
Human Swiss Prot No :	P25116
Mouse Gene Id :	14062
Mouse Swiss Prot No :	P30558
Rat Swiss Prot No :	P26824
Immunogen :	Synthesized peptide derived from human PAR1 (Cleaved-Ser42) Polyclonal
Specificity :	This antibody detects endogenous levels of PAR1 (Cleaved-Ser42).
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 46kD

Cell Pathway : Calcium;Neuroactive ligand-receptor interaction;Endocytosis;Complement and coagulation cascades;Regulates Actin and Cytoskeleton;

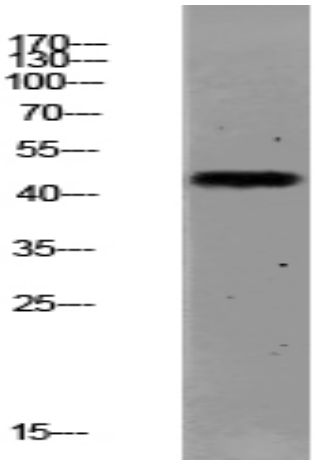
Background : Coagulation factor II receptor is a 7-transmembrane receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. F2R is a G-protein coupled receptor family member. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015],

Function : function:High affinity receptor for activated thrombin coupled to G proteins that stimulate phosphoinositide hydrolysis. May play a role in platelets activation and in vascular development.,PTM:A proteolytic cleavage generates a new N-terminus that functions as a tethered ligand.,PTM:Phosphorylated; probably mediating desensitization prior to the uncoupling and internalization of the receptor.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Platelets and vascular endothelial cells.,

Subcellular Location : Cell membrane; Multi-pass membrane protein.

Expression : Platelets and vascular endothelial cells.

Products Images



Western blot analysis of MCF-7 lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000