

## Cleaved-Thrombin R (S42) Polyclonal Antibody

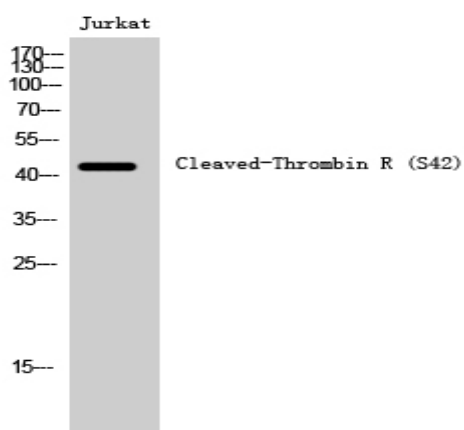
<b>Catalog No :</b>	YC0104
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Thrombin R
<b>Fields :</b>	>>Rap1 signaling pathway;>>Calcium signaling pathway;>>cAMP signaling pathway;>>Phospholipase D signaling pathway;>>Neuroactive ligand-receptor interaction;>>PI3K-Akt signaling pathway;>>Complement and coagulation cascades;>>Platelet activation;>>Regulation of actin cytoskeleton;>>Pathogenic Escherichia coli infection;>>Pathways in cancer
<b>Gene Name :</b>	F2R
<b>Protein Name :</b>	Proteinase-activated receptor 1
<b>Human Gene Id :</b>	2149
<b>Human Swiss Prot No :</b>	P25116
<b>Mouse Swiss Prot No :</b>	P30558
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PAR1. AA range:23-72
<b>Specificity :</b>	Cleaved-Thrombin R (S42) Polyclonal Antibody detects endogenous levels of fragment of activated Thrombin R protein resulting from cleavage adjacent to S42.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

---

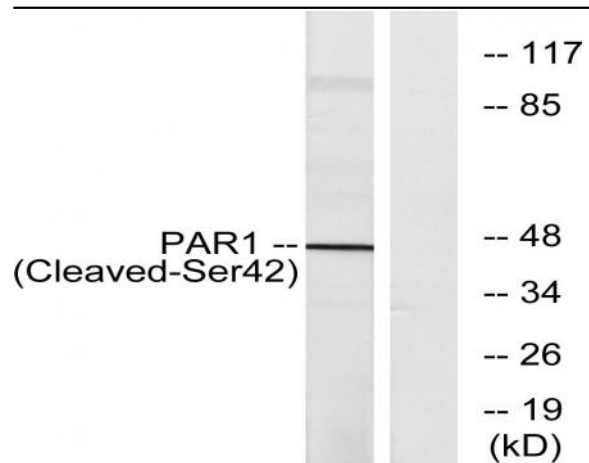
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	46kD
<b>Cell Pathway :</b>	Calcium;Neuroactive ligand-receptor interaction;Endocytosis;Complement and coagulation cascades;Regulates Actin and Cytoskeleton;
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Cell membrane; Multi-pass membrane protein.
<b>Expression :</b>	Platelets and vascular endothelial cells.

---

## Products Images



Western Blot analysis of Jurkat cells using Cleaved-Thrombin R (S42) Polyclonal Antibody



Western blot analysis of lysates from Jurkat cells, using PAR1 (Cleaved-Ser42) Antibody. The lane on the right is blocked with the synthesized peptide.