

PAR-4 Polyclonal Antibody

Catalog No :	YT3588
Reactivity :	Human;Mouse;Rat
Applications :	WB;IF;ELISA
Target :	PAR-4
Fields :	>>Rap1 signaling pathway;>>Neuroactive ligand-receptor interaction;>>Complement and coagulation cascades;>>Platelet activation;>>Pathways in cancer
Gene Name :	F2RL3
Protein Name :	Proteinase-activated receptor 4
Human Gene Id :	9002
Human Swiss Prot No :	Q96RI0
Mouse Gene Id :	14065
Mouse Swiss Prot No :	O88634
Rat Gene Id :	116498
Rat Swiss Prot No :	Q920E0
Immunogen :	The antiserum was produced against synthesized peptide derived from human PAR4. AA range:29-78
Specificity :	PAR-4 Polyclonal Antibody detects endogenous levels of PAR-4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other

applications.

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 : 41kD

Cell Pathway : Neuroactive ligand-receptor interaction;

Background : This gene encodes a member of the protease-activated receptor subfamily, part of the G-protein coupled receptor 1 family of proteins. The encoded receptor is proteolytically processed to reveal an extracellular N-terminal tethered ligand that binds to and activates the receptor. This receptor plays a role in blood coagulation, inflammation and response to pain. Hypomethylation at this gene may be associated with lung cancer in human patients. [provided by RefSeq, Sep 2016],

Function : function:Receptor for activated thrombin or trypsin coupled to G proteins that stimulate phosphoinositide hydrolysis. May play a role in platelets activation.,PTM:A proteolytic cleavage generates a new N-terminus that functions as a tethered ligand.,similarity:Belongs to the G-protein coupled receptor 1 family.,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.,

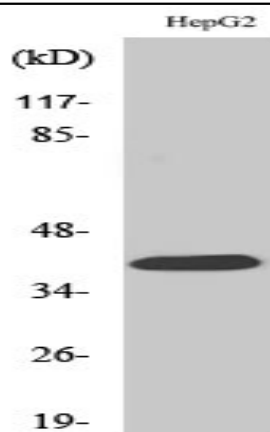
Subcellular Location : Cell membrane; Multi-pass membrane protein.

Expression : 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.

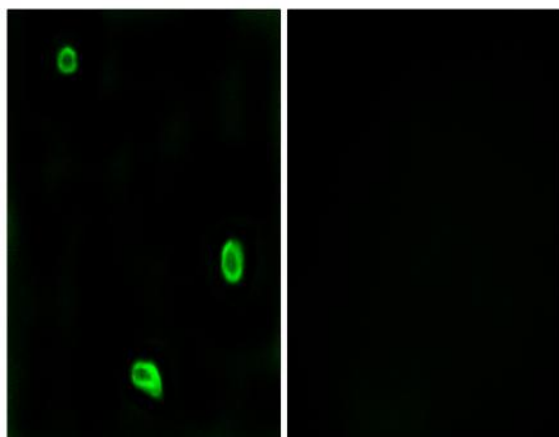
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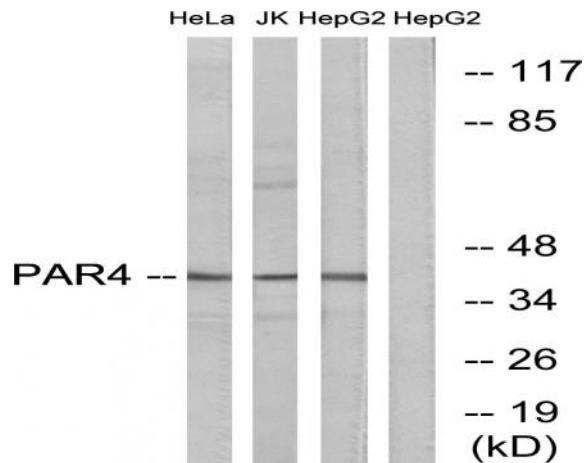
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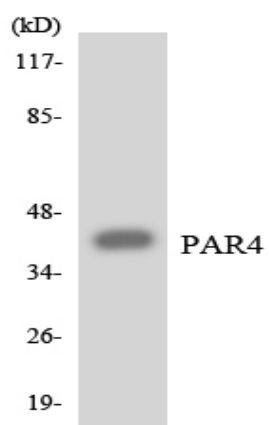
Western Blot analysis of various cells using PAR-4 Polyclonal Antibody



Immunofluorescence analysis of LOVO cells, using PAR4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 and Jurkat/HeLa cells, using PAR4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using PAR4 antibody.