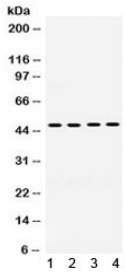
Thrombin Receptor Antibody / PAR-1 (R32032)

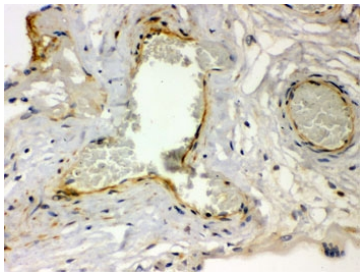
Catalog No.	Formulation	Size
R32032	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P25116
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This Thrombin Receptor antibody is available for research use only.



Western blot testing of human 1) MCF7, 2) HeLa, 3) 22RV1 and 4) SW620 cell lysate with Thrombin Receptor antibody. Expected/observed molecular weight ~47 kDa.



IHC testing of FFPE human placenta with Thrombin Receptor antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Proteinase-activated receptor 1 (PAR-1), also known as the coagulation factor II (thrombin) receptor, is a protein that in humans is encoded by the F2R gene. By fluorescence in situ hybridization, this gene is mapped to 5q13, confirming its presence as a single locus in the human genome. PAR1 is a G protein-coupled receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. The expression of PAR1 is both required and sufficient to promote growth and invasion of breast carcinoma cells in a xenograft mouse model.

Application Notes

Optimal dilution of the Thrombin Receptor antibody should be determined by the researcher.

Immunogen

Amino acids RNPNDKYEPFWEDEEKNESGLTEYRLVSINKSSPLQK of human PAR-1/Thrombin Receptor were used as the immunogen for the Thrombin Receptor antibody.

Storage

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