Rabbit PAR1/Thrombin Receptor/F2R Polyclonal Antibody | anti-F2R antibody

Anti-PAR1/Thrombin Receptor/F2R Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125465	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot**

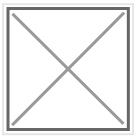
PRODUCT SYNONYMS

PAR1/Thrombin Receptor/F2R; Polyclonal Antibody; Anti-PAR1/Thrombin Receptor/F2R Antibody; Proteinase-activated receptor 1; PAR-1; Coagulation factor II receptor; Thrombin receptor; F2R; CF2R; PAR1; TR; anti-F2R antibody

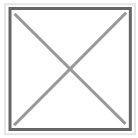
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	425
Applicable Applications for anti-F2R antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PAR1/Thrombin Receptor/F2R recombinant protein (Position: K130-T425).
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20°C for one year date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen store at -20°C for 6 months. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Figure 1. Western blot analysis of F2R using anti-F2R antibody.



IHC (Immunohistochemisry)

IHC (Immunohiostchemistry)

FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-F2R antibody	Background: Proteinase-activated receptor 1 (PAR1), 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.
References	1. Bahou, W. F., Nierman, W. C., Durkin, A. S., Potter, C. L., Demetrick, D. J. Chromosomal assignment of the human thrombin receptor gene: localization to region q13 of chromosome 5. Blood 82: 1532-1537, 1993. 2. Boire, A., Covic, L., Agarwal, A., Jacques, S., Sherifi, S., Kuliopulos, A. PAR1 is a matrix metalloprotease-1 receptor that promotes invasion and tumorigenesis of breast cancer cells. Cell 120: 303-131, 2005. 3. Chu, H.-W., Cheng, C.-W., Chou, W.-C., Hu, L.-Y., Wang, H.-W., Hsiung, C.-N., Hsu, H.-M., Wu, P.-E., Hou, M.-F., Shen, C.-Y., Yu, J.-C. A novel estrogen receptor-microRNA 190a-PAR-1-pathway regulates breast cancer progression, a finding initially suggested by genome-wide analysis of loci associated with lymph-node metastasis. Hum. Molec. Genet. 23: 355-367, 2014.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166362740
NCBI GeneID	2149
NCBI Accession #	NP_001983.2
NCBI GenBank Nucleotide #	NP_001983.2
UniProt Accession #	P25116
NCBI Official Full Name	proteinase-activated receptor 1 isoform 1
NCBI Official Synonym Full Names	coagulation factor II thrombin receptor
NCBI Official Symbol	F2R
NCBI Official Synonym Symbols	TR; HTR; CF2R; PAR1; PAR-1
NCBI Protein Information	proteinase-activated receptor 1
UniProt Protein Name	Proteinase-activated receptor 1
UniProt Gene Name	**F2R**
UniProt Synonym Gene Names	CF2R; PAR1; TR; PAR-1
UniProt Entry Name	PAR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/par1-thrombin-receptor-f2r-antibody-direct-elisa-flow-cytometry-immunohistochemistry-western-blot-elisa/125465