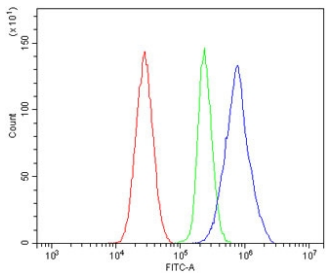
# Par1 Antibody / F2r / Thrombin Receptor (RQ6051)

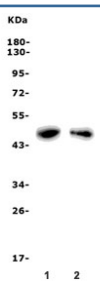
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6051 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | P26824 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This F2r antibody is available for research use only. |




Flow cytometry testing of rat RH35 cells with Par1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Par1 antibody.




Western blot testing of 1) rat thymus and 2) mouse thymus lysate with Par1 antibody. Predicted molecular weight ~47 kDa.

## Description

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.

## Application Notes

Optimal dilution of the F2r antibody should be determined by the researcher.

## Immunogen

Recombinant rat protein (amino acids R137-A432) was used as the immunogen for the F2r antibody.

## Storage

After reconstitution, the F2r antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.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