

## Thrombin R (G17) polyclonal antibody

Catalog: BS1856

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Thrombin receptor (also designated protease-activated receptor-1 or PAR-1), PAR-2 and PAR-3 compose a distinct class of G protein-coupled receptors activated by proteolysis. Cleavage of these receptors by proteases occurs within the amino-terminal extracellular domain. Thrombin, a serine protease involved in platelet aggregation and blood coagulation, activates the thrombin receptor, resulting in elevated intracellular calcium levels in platelets. Thrombin also cleaves PAR-3 in vitro, suggesting that PAR-3 may be involved in thrombosis or mitogenesis. Thrombin receptor and PAR-4 appear to account for most thrombin signaling in platelets. Activation of PAR-2 in vitro is induced by trypsin, suggesting that PAR-2 is not an alternative thrombin receptor. Cytokines including TNF- $\alpha$  and IL-1 $\beta$  increase PAR-2 expression, indicating PAR-2 involvement in the acute inflammatory response.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 48 kDa

### Swiss-Prot:

P25116

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

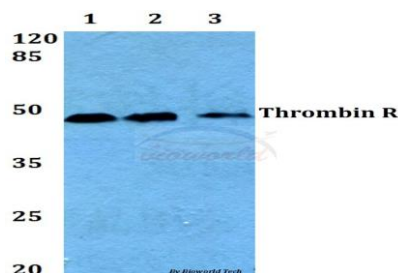
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Thrombin R (G17) polyclonal antibody detects endogenous levels of Thrombin R protein

### DATA:



Western blot (WB) analysis of Thrombin R (G17) polyclonal antibody at 1:500 dilution

Lane1: HEK293T whole cell lysate

Lane2: Raw264.7 whole cell lysate

Lane3: H9C2 whole cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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