Rabbit Anti-Human Thrombin R / ATAP2 Polyclonal Antibody

CATALOG #: E12530  0.1 ml immunogen affinity purified rabbit polyclonal antibody in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

E12534  1 ml immunogen affinity purified rabbit polyclonal antibody in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

E12531  7 ml pre-diluted immunogen affinity purified rabbit polyclonal antibody in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. (For IHC only)


CLONE: N/A

IMMUNOGEN: Synthetic peptide corresponding to near N-terminus of human thrombin R.

IG ISOTYPE: Rabbit IgG

EPITOPE: Near N-terminus

MOLECULAR WEIGHT: 66kDa

SPECIES REACTIVITY: Human (tested). Rat (by sequence homology). Others not tested

DESCRIPTION: Thrombin is a serine protease that is involved in platelet aggregation and blood coagulation. It is cleaved from its precursor, prothrombin, and converts fibrinogen to fibrin in the final step of the clotting cascade. Thrombin mediates its regulatory effects by activating cell surface G-protein coupled receptors which include PAR-1, PAR-2 and PAR3.

APPLICATIONS: Immunohistochemistry (IHC) and Western Blotting

IHC PROCEDURE: Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.

Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.

Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:50. The dilutions are estimates; actual results may differ because of variability in methods and protocols.

Antigen Retrieval: Boil tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

Primary Antibody Incubation: Incubate for 30 minutes at RT.

Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.

Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

WESTERN BLOTTING: Recommended starting protocol: Dilute the antibody 1:25. Incubate for 1 hour at room temperature.

The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

POSITIVE CONTROL: Pancreas

CELLULAR LOCALIZATION: Cytoplasm and membrane

STORAGE & STABILITY: Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

WARNINGS & PRECAUTIONS:
1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents. 