bs-4019R **[Primary Antibody]**

Thromboxane synthase Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6916 **SWISS:** P24557

Target: Thromboxane synthase

Immunogen: KLH conjugated synthetic peptide derived from human Thromboxane synthase: 451-533/533.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Thromboxane Synthase is a useful marker for the detection of native thromboxane synthase in smears, isolated cells, human tissue sections, and for affinity purification of the enzyme. In combination with the markers 27E10, RM 3/1 and 25F9, anti Thromboxane Synthase enables a more precise characterization of inflammatory processes in injured tissues, or in vitro cell-cell interaction studies. Distribution of thromboxane synthase in human tissues: Thromboxane synthase is predominantly produced by macrophages or antigen presenting cells of the myelo-monocytic lineage as shown below. Endothelial cells of placenta and epithelial cells in tonsils and bronchi also express this enzyme.

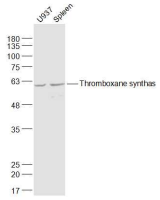
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Dog, Horse)

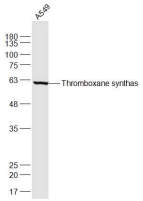
Predicted MW.: 59 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: U937(Human) Cell Lysate at 30 ug Spleen (Mouse) Lysate at 40 ug Primary: Anti-Thromboxane synthase (bs-4019R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 59 kD



Sample: A549(Human) Cell Lysate at 30 ug Primary: Anti-Thromboxane synthase (bs-4019R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 59 kD

SELECTED CITATIONS

- **[IF=3.7]** Zhuang Sun. et al. FTO promotes proliferation and migration of bladder cancer via enhancing stability of STAT3 mRNA in an m6A-dependent manner. EPIGENETICS-US. 2023;18(1):Article: 2242688 Other ;. 37538000