PRODUCT INFORMATION

Thromboxane Synthase Polyclonal Antibody
Item No. 160715

Overview and Properties

Contents: This vial contains 500 µl of peptide affinity-purified antibody.
Synonyms: TX Synthase, Thromboxane-A synthase, TXA synthase, TXS, Cytochrome P450 5A1, TBXAS1
Immunogen: Synthetic peptide from the internal region of human TX synthase
Species Reactivity: (+) Human; other species not tested
Uniprot No.: P24557
Form: Liquid
Storage: -20°C (as supplied)
Stability: ≥1 year
Storage Buffer: PBS, pH 7.2, with 50% glycerol and 0.02% sodium azide
Host: Rabbit
Applications: Immunohistochemistry (IHC) and Western blot (WB); the recommended starting dilution for IHC is 1:40 and 1:200 for WB. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Images

Lane 1: Human platelet microsomes (10 µg)
Lane 2: Human platelet microsomes (30 µg)

Immunohistochemistry analysis of formalin-fixed, paraffin-embedded (FFPE) human kidney tissue after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with Thromboxane Synthase Polyclonal Antibody (Item No. 160715) at a 1:40 dilution, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen (DAB).
Description

Thromboxane (TX) synthase catalyzes the conversion of prostaglandin H₂ to TXA₂, which is a potent vasoconstrictor and inducer of platelet aggregation. The enzyme has been cloned from a variety of species including human, pig, rat, and mouse and has a molecular weight of approximately 60,000.¹⁻⁵ Northern blot analysis reveals that the gene is expressed in lung, kidney and spleen.⁴,⁵

References