

# PRODUCT INFORMATION



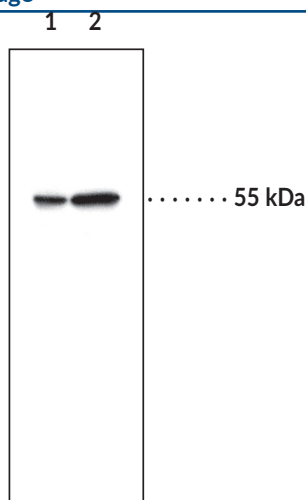
## Thromboxane Synthase Polyclonal Antibody

Item No. 160715

### Overview and Properties

<b>Contents:</b>	This vial contains 500 µl of peptide affinity-purified antibody.
<b>Synonyms:</b>	TX Synthase, Thromboxane-A synthase, TXA synthase, TXS, Cytochrome P450 5A1, TBXAS1
<b>Immunogen:</b>	Synthetic peptide from the internal region of human TX synthase
<b>Species Reactivity:</b>	(+) Human; other species not tested
<b>Uniprot No.:</b>	P24557
<b>Form:</b>	Liquid
<b>Storage:</b>	-20°C (as supplied)
<b>Stability:</b>	≥1 year
<b>Storage Buffer:</b>	PBS, pH 7.2, with 50% glycerol and 0.02% sodium azide
<b>Host:</b>	Rabbit
<b>Applications:</b>	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.

### Image



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

WARNING  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY  
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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## Description

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Thromboxane (TX) synthase catalyzes the conversion of prostaglandin H<sub>2</sub> to TXA<sub>2</sub>, 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.<sup>1-5</sup> Northern blot analysis reveals that the gene is expressed in lung, kidney and spleen.<sup>4,5</sup>

## References

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2. Yokoyama, C., Miyata, A., Ihara, H., *et al.* Molecular cloning of human platelet thromboxane A synthase. *Biochem. Biophys. Res. Commun.* **178**, 1479-1484 (1991).
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5. Zhang, L., Chase, M.B., and Shen, R.F. Molecular cloning and expression of murine thromboxane synthase. *Biochem. Biophys. Res. Commun.* **194**, 741-748 (1997).

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