

## Anti-Thromboxane synthase Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse)
Molecular Weight:	Theoretical: 59 kDa. Actual: 59 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: A549 (Human) Cell Lysate at 30 µg Primary: Anti-Thromboxane synthase (TMAB-13524) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 59 kD
	2. Sample: U937 (Human) Cell Lysate at 30 µg Spleen (Mouse) Lysate at 40 µg Primary: Anti-Thromboxane synthase (TMAB-13524) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 59 kD
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Thromboxane synthase
Antigen Species:	Human
Gene ID:	6916
Uniprot ID:	P24557

### Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481