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Anti-Thromboxane synthase Rabbit Monoclonal Antibody

Catalog # ABO15844

Product Information

Application	WB
Primary Accession	P24557
Host	Rabbit
Isotype	IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Thromboxane synthase Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse.

Additional Information

Gene ID	6916
Other Names	Thromboxane-A synthase, TXA synthase, TXS, 5.3.99.5, Cytochrome P450 5A1, Hydroperoxy icosatetraenoate dehydratase, 4.2.1.152, TBXAS1, CYP5, CYP5A1 {ECO:0000303|PubMed:11465543}, TXAS
Calculated MW	60518
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 24T21
Immunogen	A synthesized peptide derived from human Thromboxane synthase
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

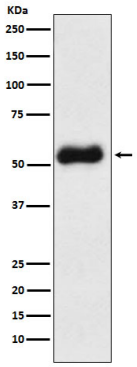
Name	TBXAS1
Synonyms	CYP5, CYP5A1 {ECO:0000303|PubMed:1146554
Function	Catalyzes the conversion of prostaglandin H2 (PGH2) to thromboxane A2 (TXA2), a potent inducer of blood vessel constriction and platelet aggregation

(PubMed:11097184, PubMed:11297515, PubMed:22735388, PubMed:24009185, PubMed:8436233, PubMed:9873013). Also cleaves PGH2 to 12-hydroxy-heptadecatrienoicacid (12-HHT) and malondialdehyde, which is known to act as a mediator of DNA damage. 12- HHT and malondialdehyde are formed stoichiometrically in the same amounts as TXA2 (PubMed:11297515, PubMed:22735388, PubMed:9873013). Additionally, displays dehydratase activity, toward (15S)-hydroperoxy-(5Z,8Z,11Z,13E)-eicosatetraenoate (15(S)-HPETE) producing 15-KETE and 15-HETE (PubMed:17459323).

Cellular Location Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location Platelets, lung, kidney, spleen, macrophages and lung fibroblasts.

Images



Western blot analysis of Thromboxane synthase expression in Human fetal liver lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.