

Thromboxane A Synthase Rabbit mAb

Catalog # AP78342

Product Information

Application	WB
Primary Accession	P24557
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Thromboxane synthase
Purification	Affinity Purified
Calculated MW	60518

Additional Information

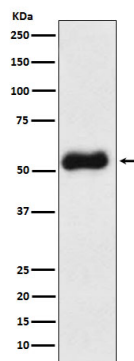
Gene ID	6916
Other Names	TBXAS1
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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-heptadecatrienoic acid (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



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