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TBXAS1 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15207

Product Information

Application	WB
Primary Accession	P24557
Other Accession	NM_001061, NP_001052
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60518

Additional Information

Gene ID	6916
Alias Symbol	CYP5, CYP5A1, FLJ52771, GHOSAL, THAS, TS, TXAS, TXS, BDPLT14
Other Names	Thromboxane-A synthase, TXA synthase, TXS, 5.3.99.5, Cytochrome P450 5A1, TBXAS1, CYP5, CYP5A1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-TBXAS1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	TBXAS1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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.

References

Yokoyama C.,et al.Biochem. Biophys. Res. Commun. 178:1479-1484(1991).
Ohashi K.,et al.J. Biol. Chem. 267:789-793(1992).
Miyata A.,et al.Eur. J. Biochem. 224:273-279(1994).
Shen R.-F.,et al.Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
Chevalier D.,et al.Mutat. Res. 432:61-67(2001).

Images



WB Suggested Anti-TBXAS1 Antibody Titration: 1.0 µg/ml
Positive Control: 721_B Whole Cell

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