

TBXAS1 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15207**Specification**

TBXAS1 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P24557
Other Accession	NM_001061 , NP_001052
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61kDa KDa

TBXAS1 Antibody - C-terminal region - 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.

TBXAS1 Antibody - C-terminal region - 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:22735388)

href="http://www.uniprot.org/citations/24009185" target="_blank">24009185, PubMed:8436233, PubMed:9873013). Cleaves also 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

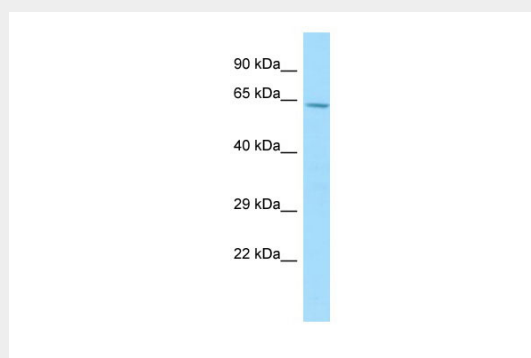
Platelets, lung, kidney, spleen, macrophages and lung fibroblasts.

TBXAS1 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TBXAS1 Antibody - C-terminal region - Images



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

TBXAS1 Antibody - C-terminal region - 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).