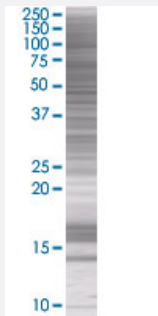


TBXAS1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00006916-T01

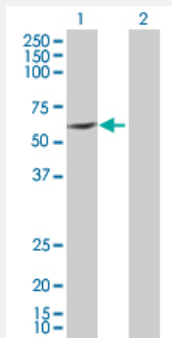
Size 100 uL

Applications



SDS-PAGE Gel

TBXAS1 transfected lysate.



Western Blot

Lane 1: TBXAS1 transfected lysate (60.6 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-TBXAS1 full-length
Host	Human
Theoretical MW (kDa)	60.6
Interspecies Antigen Sequence	Mouse (82); Rat (80)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-TBXAS1 antibody ([H00006916-B01](#)) by Western Blots.
SDS-PAGE Gel
TBXAS1 transfected lysate.
Western Blot
Lane 1: TBXAS1 transfected lysate (60.6 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — TBXAS1

Entrez GeneID[6916](#)**GeneBank Accession#**[BC041157.1](#)**Protein Accession#**[-](#)**Gene Name**

TBXAS1

Gene Alias

CYP5, CYP5A1, GHOSAL, THAS, TS, TXAS, TXS

Gene Description

thromboxane A synthase 1 (platelet)

Omim ID[274180](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. However, this protein is considered a member of the cytochrome P450 superfamily on the basis of sequence similarity rather than functional similarity. This endoplasmic reticulum membrane protein catalyzes the conversion of prostaglandin H2 to thromboxane A2, a potent vasoconstrictor and inducer of platelet aggregation. The enzyme plays a role in several pathophysiological processes including hemostasis, cardiovascular disease, and stroke. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

TXA synthase|cytochrome P450, family 5, subfamily A, polypeptide 1|platelet, cytochrome P450, subfamily V|thromboxane A synthase 1

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Chorioamnionitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Narcolepsy](#)
- [Neoplasms](#)

- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)