TFPI Monoclonal antibody

Catalog Number:66842-1-Ig   **1 Publications**

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Basic Information

Catalog Number:
66842-1-Ig

Size:
150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG14980

GenBank Accession Number:
BC015514

GeneID (NCBI):
7035

UNIPROT ID:
P10646

Full Name:
tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)

Calculated MW:
251aa,29 kDa; 304aa,35 kDa

Observed MW:
35-38 kDa

Purification Method:
Protein A purification

CloneNo.:
1B12F11

Recommended Dilutions:
WB 1:1000-1:3000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
human

Positive Controls:
WB : human placenta tissue, HepG2 cells

Background Information

Tissue factor pathway inhibitor (TFPI) is a critical anticoagulant protein present in endothelium and platelets. TFPI is produced as two major isoforms in humans, TFPIa and TFPIb that result from alternative splicing. The TFPIb isoform localizes to the endothelium surface where it is a potent inhibitor of tissue factor-factor VIIa complexes that initiate blood coagulation. The TFPIa isoform is present in platelets. TFPI is a Kunitz-type serine protease inhibitor that exerts anticoagulant activity by blocking early procoagulant stimulia. TFPI can enhance anti-thrombotic treatment in sepsis, inflammatory diseases, and cardiovascular diseases.

Notable Publications

Author	Pubmed ID	Journal	Application
Ting Li	34238922	Cell Death Dis	WB

Storage

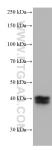**Storage:**
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

250 kDa→
150 kDa→
100 kDa→
70 kDa→
50 kDa→
40 kDa→
30 kDa→

human placenta tissue were subjected to SDS PAGE followed by western blot with 66842-1-Ig (TFPI antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.