bs-4690R **[Primary Antibody]**

Tissue factor Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2152 **SWISS:** P13726

Target: Tissue factor

Immunogen: KLH conjugated synthetic peptide derived from human Tissue factor: 32-100/295.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

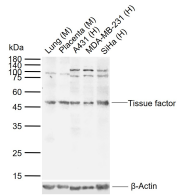
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, GuineaPig, Horse)

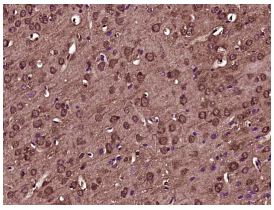
Predicted MW.: 29 kDa

Subcellular Location: Cell membrane

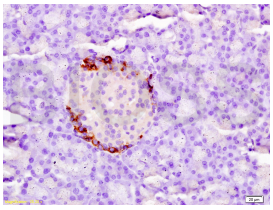
VALIDATION IMAGES



Sample: Lane 1: Mouse Lung tissue lysates Lane 2: Mouse Placenta tissue lysates Lane 3: Human A431 cell lysates Lane 4: Human MDA-MB-231 cell lysates Lane 5: Human SiHa cell lysates Primary: Anti-Tissue factor (bs-4690R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kDa Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tissue factor) Polyclonal Antibody, Unconjugated (bs-4690R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Tissue factor/CD142/F3 Polyclonal Antibody, Unconjugated(bs-4690R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=23.394]** Fletcher, Russell B., et al. "Deconstructing Olfactory Stem Cell Trajectories at Single-Cell Resolution." Cell Stem Cell (2017). FCM ;Mouse. 28506465
- **[IF=7.13]** Gleeson, Birgitta M., et al. "Bone marrow‐derived mesenchymal stem cells have innate procoagulant activity

and cause microvascular obstruction following intracoronary delivery: Amelioration by anti‐thrombin therapy." STEM CELLS (2015). Other ;="Pig". 25969127

- **[IF=6.048]** Takabayashi T et al. Increased expression of L‐plastin in nasal polyp of patients with nonsteroidal anti‐inflammatory drug exacerbated respiratory disease.(2018) Allergy IHC ;Human. 30479022
- **[IF=5.6]** Yu Muxin. et al. Neutrophil extracellular traps induce intrahepatic thrombotic tendency and liver damage in cholestatic liver disease. HEPATOL COMMUN. 2024 Aug;8(8):e0513 IF ;Mouse. 39101776
- **[IF=4.4]** Jing-Lun Zhan. et al. Corrigendum: YKL-40 promotes chemokine expression following drug-induced liver injury via TF-PAR1 pathway in mice. FRONT PHARMACOL. 2024 Aug;15: WB ;Mouse. 39211786