

For Research Use Only

Tissue Factor Recombinant antibody

Catalog Number: 83776-4-RR



Basic Information

Catalog Number: 83776-4-RR	GenBank Accession Number: NM_001993.5	Purification Method: Protein A purification
Size: 100ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 2152	CloneNo.: 240784H6
Source: Rabbit	UNIPROT ID: P13726-1	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Isotype: IgG	Full Name: coagulation factor III (thromboplastin, tissue factor)	IF/ICC 1:150-1:600
	Calculated MW: 33 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HepG2 cells, A431 cells
Species Specificity: human	IHC : human stomach cancer tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF/ICC : A431 cells,

Background Information

Normal blood coagulation is a complex process, involving a cascade of activation of different plasma proteins, ultimately resulting in the formation of a clot, called fibrin. Tissue Factor (TF), also named Coagulation factor III or F3, is the primary initiator of the blood coagulation cascade and plays an essential role in hemostasis (PMID: 26877187; PMID: 33796108).

Storage

Storage:
Store at -20°C. 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

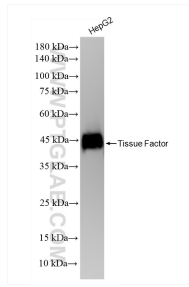
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

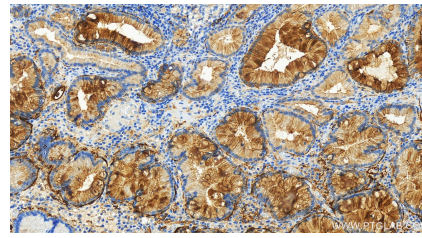
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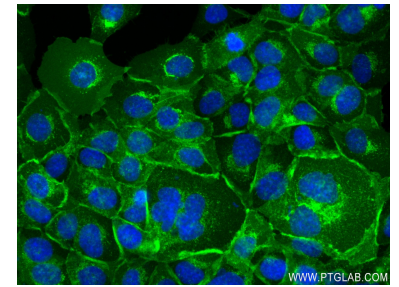
Selected Validation Data



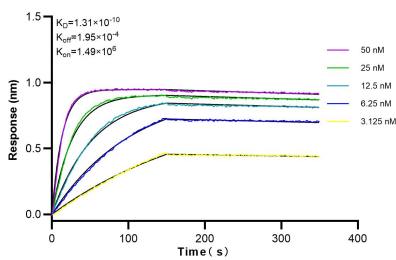
HepG2 cells were subjected to SDS PAGE followed by western blot with 83776-4-RR (Tissue Factor antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83776-4-RR (Tissue Factor antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Tissue Factor antibody (83776-4-RR, Clone: 240784H6) at dilution of 1:300 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83776-4-RR against Human Coagulation Factor III/Tissue Factor were performed. The affinity constant is 0.131 nM.