

Coagulation Factor II Monoclonal antibody

Catalog Number: 66509-1-Ig

Basic Information

Catalog Number: 66509-1-Ig	GenBank Accession Number: BC051332	Purification Method: Protein A purification
Size: 1700 ug/ml	GeneID (NCBI): 2147	CloneNo.: 1E12A8
Source: Mouse	UNIPROT ID: P00734	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Isotype: IgG1	Full Name: coagulation factor II (prothrombin)	
Immunogen Catalog Number: AG18385	Calculated MW: 622 aa, 70 kDa Observed MW: 70-80 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : human plasma tissue, IHC : human liver tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

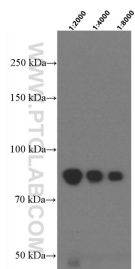
Background Information

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. Coagulation Factor II, also known as prothrombin or factor II, is one of the components of this chain of plasma proteins involved in blood coagulation. Prothrombin is the precursor of thrombin, which is essential in the processes of hemostasis and thrombosis.

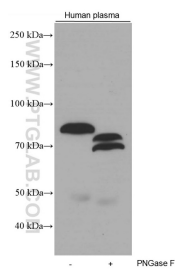
Storage

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

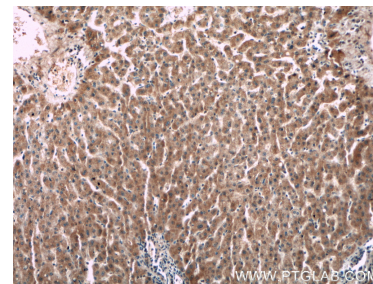
Selected Validation Data



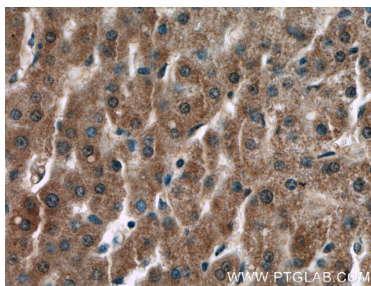
human plasma was subjected to SDS PAGE followed by western blot with 66509-1-Ig (Coagulation Factor II antibody) at various dilutions incubated at room temperature for 1.5 hours.



Untreated and PNGase F-treated lysates of human plasma were subjected to SDS PAGE followed by western blot with 66509-1-Ig (Coagulation Factor II antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66509-1-Ig (Coagulation Factor II antibody) at dilution of 1:150 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66509-1-Ig (Coagulation Factor II antibody) at dilution of 1:150 (under 40x lens).