

For Research Use Only

FKBP7 Polyclonal antibody

Catalog Number: 12092-1-AP



Basic Information

Catalog Number: 12092-1-AP	GenBank Accession Number: BC009711	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 51661	Recommended Dilutions: WB 1:500-1:2400 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y680	
Isotype: IgG	Full Name: FK506 binding protein 7	
Immunogen Catalog Number: AG2733	Calculated MW: 259 aa, 30 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: human lung tissue, human heart tissue

IHC: human liver cancer tissue, human lung cancer tissue

Background Information

FKBP7(FK506-binding protein 7) is also named as FKBP23 and belongs to immunophilin class of proteins family. This protein contains an N-terminal hydrophobic signal sequence, a PPIase motif, 2 EF-hand domains, and 2 putative N-glycosylation sites. The calculated molecular mass is about 25 kD, but becomes 33 kD following cleavage of the signal sequence(PMID:9806833). It could bind to BiP in ER in a process regulated by the concentration of Ca²⁺ (PMID:22269648). It has 3 isoforms produced by alternative splicing.

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

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

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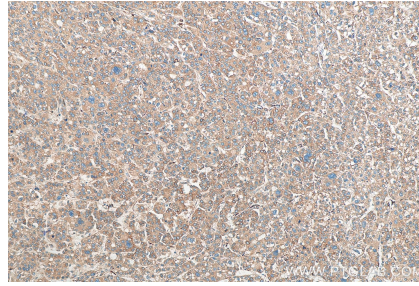
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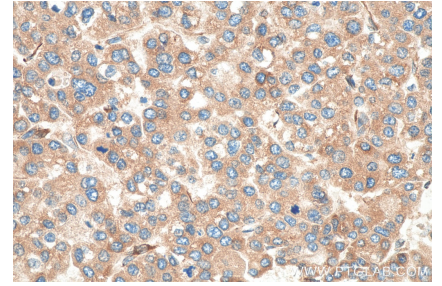
Selected Validation Data



human lung tissue were subjected to SDS PAGE followed by western blot with 12092-1-AP (FKBP7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12092-1-AP (FKBP7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12092-1-AP (FKBP7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).