

For Research Use Only

# FKBP7 Polyclonal antibody

Catalog Number:12092-1-AP



## Basic Information

<b>Catalog Number:</b> 12092-1-AP	<b>GenBank Accession Number:</b> BC009711	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51661	<b>Recommended Dilutions:</b> WB 1:500-1:2400 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y680	
<b>Isotype:</b> IgG	<b>Full Name:</b> FK506 binding protein 7	
<b>Immunogen Catalog Number:</b> AG2733	<b>Calculated MW:</b> 259 aa, 30 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

**Tested Applications:**  
WB, IHC, 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 Ca<sup>2+</sup> (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

**\*\*\* 20ul sizes contain 0.1% BSA**

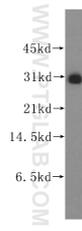
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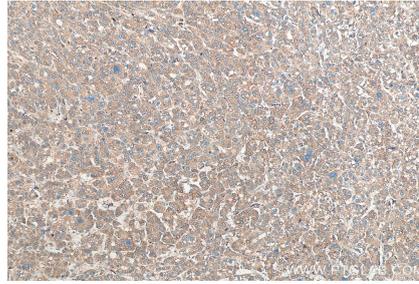
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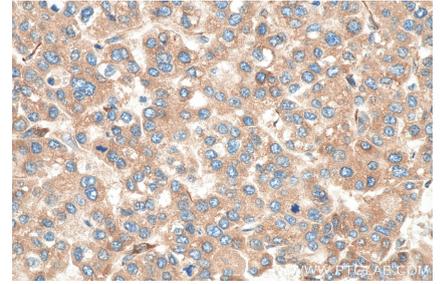
## Selected Validation Data



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).