

FKBP7 Polyclonal antibody

Catalog Number: 12092-1-AP

Basic Information

Catalog Number:

12092-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2733

GenBank Accession Number:

BC009711

GeneID (NCBI):

51661

UNIPROT ID:

Q9Y680

Full Name:

FK506 binding protein 7

Calculated MW:

259 aa, 30 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IHC 1:50-1:500

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:

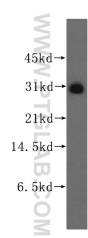
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

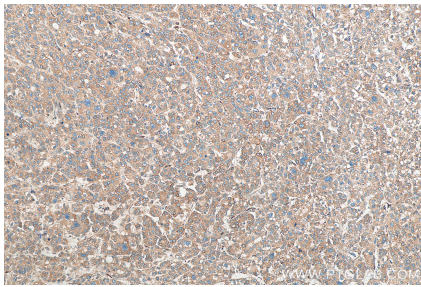
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

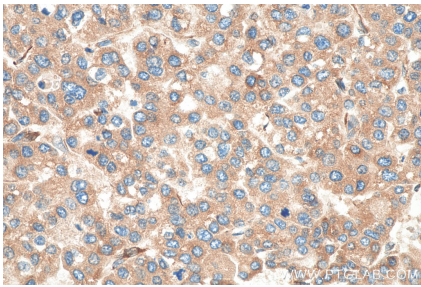
Selected Validation Data



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).