

For Research Use Only

FKBP2 Polyclonal antibody

Catalog Number: 11700-1-AP

2 Publications



Basic Information

Catalog Number: 11700-1-AP	GenBank Accession Number: BC003384	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 160 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2286	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P26885	
Isotype: IgG	Full Name: FK506 binding protein 2, 13kDa	
Immunogen Catalog Number: AG2255	Calculated MW: 142 aa, 16 kDa	
	Observed MW: 13-16 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse cerebellum tissue, HeLa cells, MCF-7 cells IHC : human prostate cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	
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

FKBP2 is also named as FKBP13 and belongs to the FKBP-type PPIase family. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. FKBP2 has a 21-amino acid signal peptide and appears to be membrane-associated(PMID:1713687). It is localized to the lumen of the endoplasmic reticulum (ER). FKBP12 and FKBP13 are highly similar proteins, of molecular masses 12 kDa and 13 kDa respectively, with approx.43 % amino acid identity. The strong homology between FKBP12 and FKBP13 suggests that they may share similar biological functions, although, apart from rotamase activity, details relating to the function of either protein are scant(PMID:8373365).

Notable Publications

Author	Pubmed ID	Journal	Application
Richard E Mains	29788427	Endocrinology	WB
Vishwanatha K S Rao	34061983	J Cell Physiol	WB

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

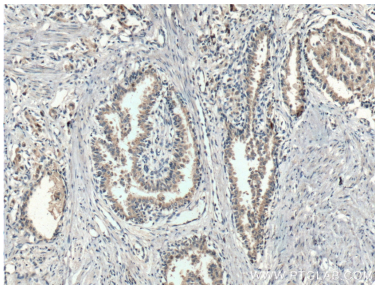
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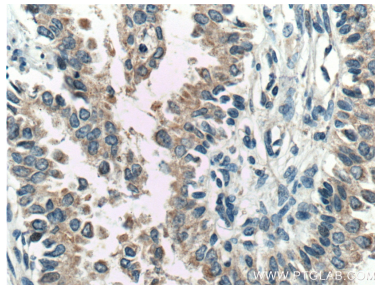
Selected Validation Data



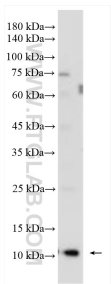
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 11700-1-AP (FKBP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11700-1-AP (FKBP2 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 prostate cancer tissue slide using 11700-1-AP (FKBP2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 11700-1-AP (FKBP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.