

For Research Use Only

# FKBP2 Polyclonal antibody

Catalog Number: 11700-1-AP **2 Publications**



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>11700-1-AP       | <b>GenBank Accession Number:</b><br>BC003384        | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>350 µg/ml                  | <b>GeneID (NCBI):</b><br>2286                       | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IHC 1:50-1:500 |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P26885                        |  |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>FK506 binding protein 2, 13kDa |  |
| <b>Immunogen Catalog Number:</b><br>AG2255 | <b>Calculated MW:</b><br>142 aa, 16 kDa             |  |
|  | <b>Observed MW:</b><br>13-16 kDa                    |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IHC, WB, ELISA  | <b>Positive Controls:</b><br>WB : mouse cerebellum tissue, HeLa cells, MCF-7 cells<br>IHC : human prostate cancer tissue, |
| <b>Cited Applications:</b><br>WB   |   |
| <b>Species Specificity:</b><br>human, mouse  |   |
| <b>Cited Species:</b><br>human, mouse  |   |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |   |

## 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          |

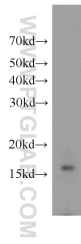
## Storage

**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

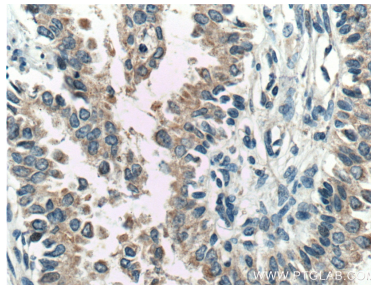
For technical support and original validation data for this product please contact:  
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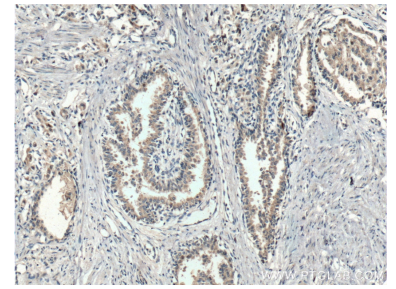
## Selected Validation Data



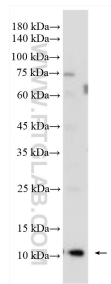
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 11700-1-AP (FKBP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11700-1-AP (FKBP2 Antibody) at dilution of 1:200 (under 40x 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 10x 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.