

For Research Use Only

FKBP2 Recombinant antibody

Catalog Number: 84077-6-RR



Basic Information

Catalog Number: 84077-6-RR	GenBank Accession Number: BC003384	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2286	CloneNo.: 241166B9
Source: Rabbit	UNIPROT ID: P26885	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000
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

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 : HeLa cells, MCF-7 cells, K-562 cells, HuH-7 cells, NIH/3T3 cells, mouse cerebellum tissue, rat brain tissue

IHC : human placenta tissue,

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).

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

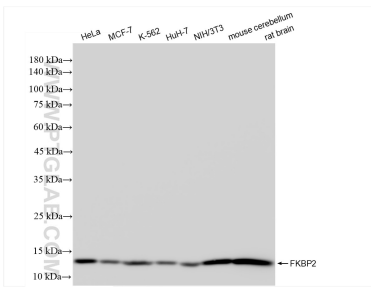
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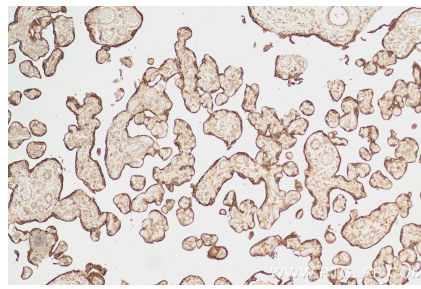
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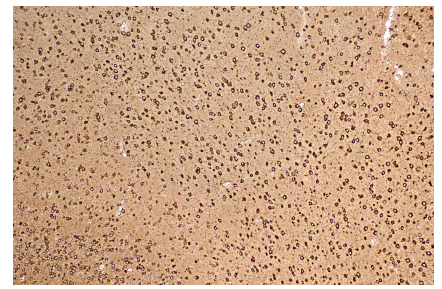
Selected Validation Data



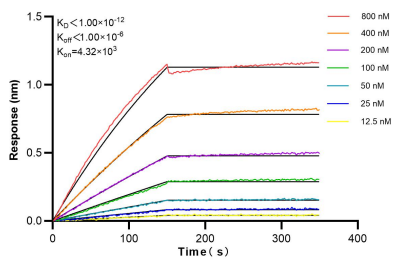
Various lysates were subjected to SDS PAGE followed by western blot with 84077-6-RR (FKBP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84077-6-RR (FKBP2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84077-6-RR (FKBP2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84077-6-RR against Human FKBP2 were performed. The affinity constant is below 1 pM.