

FKBP4 Rabbit pAb

CatalogNo: YN1992

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 50kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity FKBP4 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name FKBP4 FKBP52

Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP4 (PPlase FKBP4) (51 kDa FK506-binding protein) (FKBP51) (52 kDa FK506-binding protein) (52 kDa FKBP) (FKBP-52) (59 kDa immunophilin) (p59) (FK506-binding protein 4) (FKBP-4) (FKBP59) (HSP-binding immunophilin) (HBI) (Immunophilin FKBP52) (Rotamase) [Cleaved into: Peptidyl-prolyl cis-trans isomerase FKBP4, N-terminally processed]		
	Organism	Gene ID	UniProt ID
	Human	2288;	Q02790;
	Mouse		P30416;
	Rat		Q9QVC8;
Cellular Localization	Cytoplasm, cytosol . Mitochondrion . Nucleus . Cytoplasm, cytoskeleton . Cell projection, axon . Shuttles from mitochondria to nucleus; co-localizes in mitochondria with the glucocorticoid receptor (PubMed:21730050). Colocalized with MAPT/TAU in the distal part of the primary cortical neurons (By similarity). .		
Tissue specificity	Widely expressed.		
Function	Catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0).,Function:Component of unactivated mammalian steroid receptor complexes that sediment at 8-10 S. May have a rotamase activity. May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors.,PTM:Phosphorylation by CK2 results in loss of HSP90 binding activity (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence Caution:Wrong choice of frame.,similarity:Contains 2 PPlase FKBP-type domains.,similarity:Contains 3 TPR repeats.,subunit:Interacts with NR3C1 and dynein (By similarity). Associates with HSP90 and HSP70 in unactivated steroid hormone receptor complexes. Also interacts with peroxisomal phytanoyl-CoA alpha-hydroxylase (PHYH). Interacts with HSF1 in the HSP90 complex.,tissue specificity:Widely expressed.,		

| Validation Data

| Contact information

Orders: order@immunoway.com
 Support: tech@immunoway.com
 Telephone: 877-594-3616 (Toll Free), 408-747-0185
 Website: <http://www.immunoway.com>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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