
Product Information

Product SKU:	CAB11641	Gene ID:	2280	Size:	20uL, 100uL
Clone No:	ARC0654	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	14kDa	Conjugate:	Unconjugated
Calculated MW:	12kDa	Isotype:	IgG

Immunogen Information

Background:	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed.
Recommended Dilution:	WB,1:500 - 1:1000
Synonyms:	FKBP1; PKC12; PKC12; FKBP12; PPIASE; FKBP-12; FKBP-1A
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 29-108 of human FKBP12 (P62942).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.