Best Tools for immunology Research

PRX1 Polyclonal Antibody

Catalog No :	YT3874
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	PRX1
Gene Name :	PRRX1
Protein Name :	Paired mesoderm homeobox protein 1
Human Gene Id :	5396
Human Swiss Prot No :	P54821
Mouse Gene Id :	18933
Mouse Swiss Prot No :	P63013
Rat Gene Id :	266813
Rat Swiss Prot No :	P63014
Immunogen :	Synthesized peptide derived from PRX1 . at AA range: 30-110
Specificity :	PRX1 Polyclonal Antibody detects endogenous levels of PRX1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

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

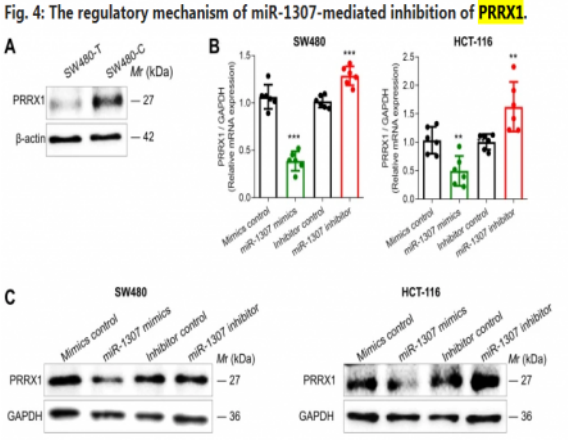
Observed Band : 27kD

Background : The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins localized to the nucleus. The protein functions as a transcription co-activator, enhancing the DNA-binding activity of serum response factor, a protein required for the induction of genes by growth and differentiation factors. The protein regulates muscle creatine kinase, indicating a role in the establishment of diverse mesodermal muscle types. Alternative splicing yields two isoforms that differ in abundance and expression patterns. [provided by RefSeq, Jul 2008],

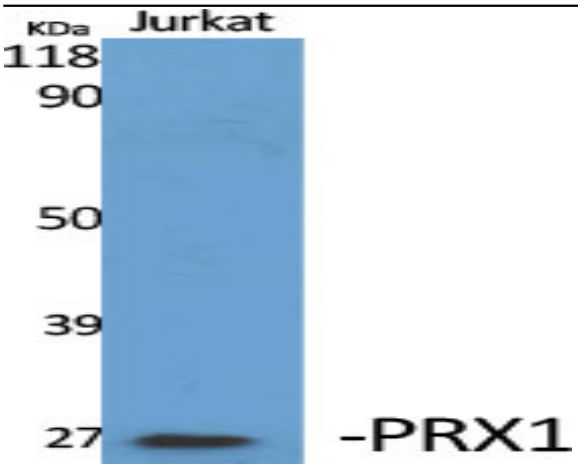
Function : function:Acts as a transcriptional regulator of muscle creatine kinase (MCK) and so has a role in the establishment of diverse mesodermal muscle types. The protein binds to an A/T-rich element in the muscle creatine enhancer.,similarity:Belongs to the paired homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 1 OAR domain.,

Subcellular Location : Nucleus.

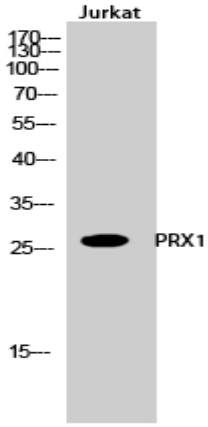
Products Images



Yang, M., Liu, X., Meng, F. et al. The rs7911488-T allele promotes the growth and metastasis of colorectal cancer through modulating miR-1307/PRRX1. Cell Death Dis 11, 651 (2020).



Western Blot analysis of various cells using PRX1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western Blot analysis of Jurkat cells using PRX1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).