# antibodies - online.com







# anti-PROX1 antibody (AA 492-522)



## **Images**



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Quantity:	0.4 mL
Target:	PROX1
Binding Specificity:	AA 492-522
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PROX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)
Product Details	
lmmunogen:	A portion of amino acids 492-522 from the human protein was used as the immunogen for this PROX1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Purified
Target Details	
Target:	PROX1
Alternative Name:	PROX1 (PROX1 Products)
Background:	The expression pattern of Prox1 suggests that it has a role in a variety of embryonic tissues,

including lens. Prox mRNA is present in many different human tissues with lens dem	onstrating
the highest level. Homozygous Prox1-null mice die at midgestation from multiple	
developmental defects, and a targeted effect on lens development has been reported	l. Prox1
inactivation caused abnormal cellular proliferation, downregulated expression of the	cell cycle
inhibitors Cdkn1b and Cdkn1c, misexpression of E-cadherin, and excessive apoptosis	3.
Consequently, mutant lens cells failed to polarize and elongate properly, resulting in a	a hollow
lens.	
000704	

UniProt:

Q92786

Pathways:

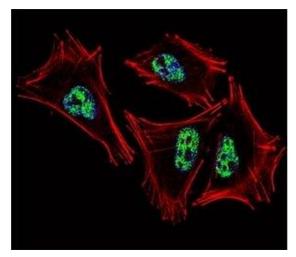
Stem Cell Maintenance, Regulation of Muscle Cell Differentiation

## **Application Details**

Application Notes:	Titration of the PROX1 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:500,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

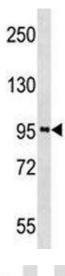
## Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the PROX1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



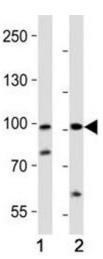
#### **Immunofluorescence**

**Image 1.** Fluorescent confocal image of A2058 cell stained with PROX1 antibody at 1:25. PROX1 immunoreactivity is localized to the nucleus.



#### **Western Blotting**

**Image 2.** PROX1 antibody western blot analysis in A2058 lysate



### **Western Blotting**

**Image 3.** Western blot analysis of lysate from (1) human A2058 and (2) rat PC-12 cell line using PROX1 antibody at 1:1000. Predicted molecular weight is 83 kDa, observed at 80-110 kDa.

Please check the product details page for more images. Overall 6 images are available for ABIN3032348.