

## ARG45423 anti-PROX2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PROX2
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PROX2
Species	Human
Immunogen	Recombinant protein containing to human PROX2.
Conjugation	Un-conjugated
Alternate Names	PROX2; Prospero Homeobox 2; Homeobox Prospero-Like Protein PROX2; Prospero Homeobox Protein 2; FLJ36749; PROX-2

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	66 kDa	

### Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

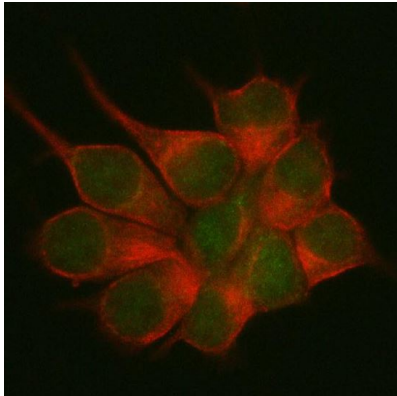
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

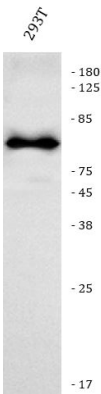
Gene Symbol	PROX2
Gene Full Name	Prospero Homeobox 2
Background	Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Predicted to be involved in regulation of transcription by RNA polymerase II. Predicted to be located in chromatin. Predicted to be active in nucleus. [provided by Alliance of Genome Resources, Nov 2024]
Function	Transcription regulator. Does not seem to be essential for embryonic development and postnatal survival. [UniProt]
Calculated Mw	66 kDa
Cellular Localization	Nucleus. [UniProt]

Images



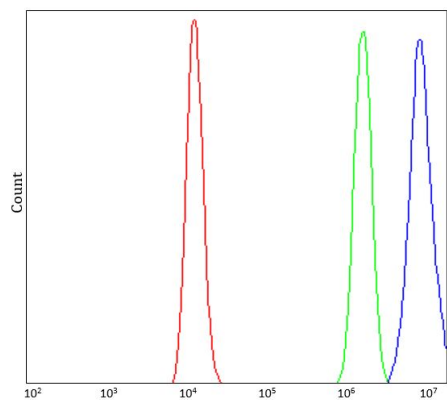
ARG45423 anti-PROX2 antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG45423 anti-PROX2 antibody at 5 µg/ml dilution.



ARG45423 anti-PROX2 antibody WB image

Western blot: 293T stained with ARG45423 anti-PROX2 antibody at 0.5 µg/ml dilution.



#### ARG45423 anti-PROX2 antibody FACS image

Flow Cytometry: HEL stained with ARG45423 anti-PROX2 antibody at  $1 \mu\text{g}/10^6$  cells dilution.