

ARG43952 anti-PRDM8 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PRDM8
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PRDM8
Species	Human
Immunogen	Human PRDM8 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PRDM8; PR/SET Domain 8; KMT8D; PR Domain Zinc Finger Protein 8; PR Domain 8; PFM5; PR-Domain Containing Protein 8; PR Domain-Containing Protein 8; PR Domain Containing 8; EC 2.1.1.-; EPM10

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg /1x10 ⁶ 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.	

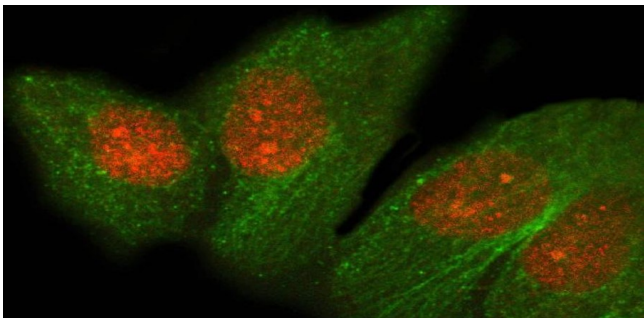
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ 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.

Bioinformation

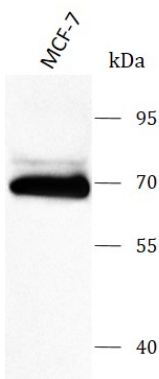
Gene Symbol	PRDM8
Gene Full Name	PR/SET Domain 8
Background	This gene encodes a protein that belongs to a conserved family of histone methyltransferases that predominantly act as negative regulators of transcription. The encoded protein contains an N-terminal Su(var)3-9, Enhancer-of-zeste, and Trithorax (SET) domain and a double zinc-finger domain. Knockout of this gene in mouse results in mistargeting by neurons of the dorsal telencephalon, abnormal itch-like behavior, and impaired differentiation of rod bipolar cells. In humans, the protein has been shown to interact with the phosphatase laforin and the ubiquitin ligase malin, which regulate glycogen construction in the cytoplasm. Alternative splicing results in multiple transcript variants.
Function	Involved in the control of steroidogenesis through transcriptional repression of steroidogenesis marker genes such as CYP17A1 and LHCGR.
Calculated Mw	72 kDa
Cellular Localization	Nucleus

Images



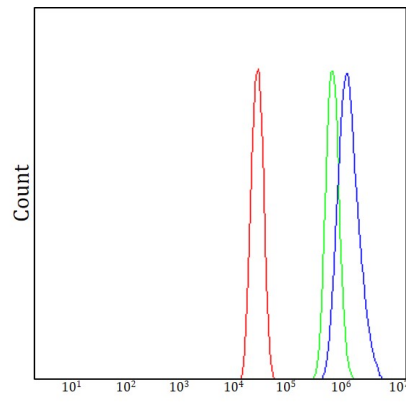
ARG43952 anti-PRDM8 antibody ICC/IF image

Immunofluorescence: A431 cells stained with ARG43952 anti-PRDM8 antibody at 5 µg/ml dilution.



ARG43952 anti-PRDM8 antibody WB image

Western blot: MCF-7 stained with ARG43952 anti-PRDM8 antibody at 0.5 µg/mL dilution.



ARG43952 anti-PRDM8 antibody FACS image

Flow Cytometry: A431 cells stained with ARG43952 anti-PRDM8 antibody (blue) at $1\text{ }\mu\text{g}/1\times 10^6$ cells dilution.