

ARG45447 anti-DMC1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DMC1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DMC1
Species	Human
Immunogen	Recombinant protein containing to human DMC1.
Conjugation	Un-conjugated
Alternate Names	DMC1; DNA Meiotic Recombinase 1; LIM15; Meiotic Recombination Protein DMC1/LIM15 Homolog; DMC1H; DMC1 (Dosage Suppressor Of Mck1, Yeast Homolog) Meiosis-Specific Homologous Recombination; DMC1 Dosage Suppressor Of Mck1 Homolog, Meiosis-Specific Homologous Recombination (Yeast); DMC1 Dosage Suppressor Of Mck1 Homolog, Meiosis-Specific Homologous Recombination; Disrupted Meiotic CDNA1, Yeast, Homolog Of; DJ199H16.1

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	2-5 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	37 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 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

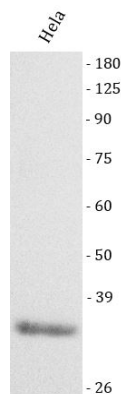
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

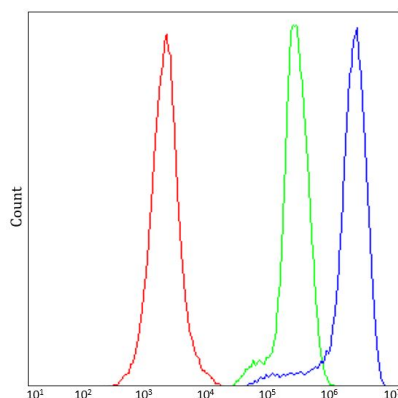
Gene Symbol	DMC1
Gene Full Name	DNA Meiotic Recombinase 1
Background	This gene encodes a member of the superfamily of recombinases (also called DNA strand-exchange proteins). Recombinases are important for repairing double-strand DNA breaks during mitosis and meiosis. This protein, which is evolutionarily conserved, is reported to be essential for meiotic homologous recombination and may thus play an important role in generating diversity of genetic information. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
Function	Participates in meiotic recombination, specifically in homologous strand assimilation, which is required for the resolution of meiotic double-strand breaks. [UniProt]
Calculated Mw	38 kDa
Cellular Localization	Nucleus. [UniProt]

Images



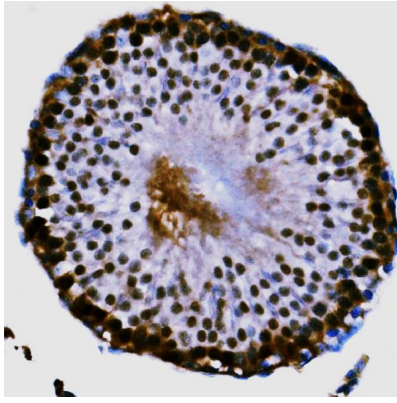
ARG45447 anti-DMC1 antibody WB image

Western blot: HeLa stained with ARG45447 anti-DMC1 antibody at 0.5 µg/ml dilution.



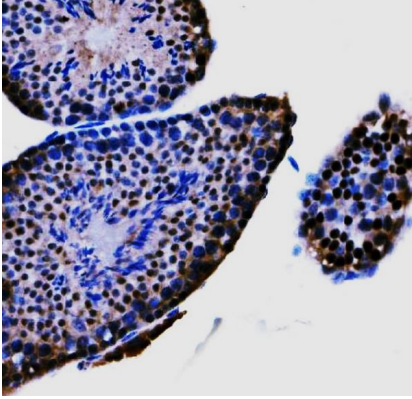
ARG45447 anti-DMC1 antibody FACS image

Flow Cytometry: Jurkat stained with ARG45447 anti-DMC1 antibody at 1 µg/10⁶ cells dilution.



ARG45447 anti-DMC1 antibody IHC-P image

Immunohistochemistry: Rat testis stained with ARG45447 anti-DMC1 antibody at 2 μ g/ml dilution.



ARG45447 anti-DMC1 antibody IHC-P image

Immunohistochemistry: Mouse testis stained with ARG45447 anti-DMC1 antibody at 2 μ g/ml dilution.