



Rabbit Anti-Human MDA5 monoclonal antibody, clone 44I23M45 (CABT-L1469)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Rhesus monkey, mouse, rat, porcine and bovine based on sequence homology.
Target	MDA5
Immunogen	A recombinant protein corresponding to amino acids 883-1025 of Q9BYX4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	44I23M45
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IHC-P, IF, WB Recommended concentration: ICC: 4-6 µg/mL IF: 4-6 µg/mL WB: 4-6 µg/mL IHC-P: 1:20
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg

Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

BACKGROUND

Introduction	Melanoma differentiation associated gene 5, MDA5, is a pattern recognition receptor to transmit the signal. Once activated, both proteins signal through IPS-1 activating transcription factors NF- kappaB and IRF-3 and ultimately activating apoptosis, cytokine signaling, and inflammation. RIG-I is essential for signaling by influenza A, influenza B, human respiratory syncytial virus, paromyxoviruses, Japanese encephalitis virus. MDA5 is essential for signaling by picornavirus. Both RIG-I and MDA5 are responsible for signaling by West Nile virus.
Keywords	interferon induced with helicase C domain 1;18873;Ensembl:ENSG00000115267;MGC133047;interferon-induced helicase C domain-containing protein 1;helicard;CADM-140 autoantigen;RIG-I-like receptor 2;helicase with 2 CARD domains;RNA helicase-DEAD box protein 116