

CAB2419

Product Information

Product SKU:	CAB2419	Gene ID:	64135	Size:	20uL, 100uL
Clone No:	ARC0760	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	135kDa	Conjugate:	Unconjugated
Calculated MW:	117kDa	Isotype:	IgG

Immunogen Information

Background:	IFIH1 encodes MDA5 which is an intracellular sensor of viral RNA that triggers the innate immune response. Sensing RNA length and secondary structure, MDA5 binds dsRNA oligonucleotides with a modified DExD/H-box helicase core and a C-terminal domain, thus leading to a proinflammatory response that includes interferons. It has been shown that Coronaviruses (CoVs) as well as various other virus families, are capable of evading the MDA5-dependent interferon response, thus impeding the activation of the innate immune response to infection. MDA5 has also been shown to play an important role in enhancing natural killer cell function in malaria infection. In addition to its protective role in antiviral responses, MDA5 has been implicated in autoimmune and autoinflammatory diseases such as type 1 diabetes, systemic lupus erythematosus, and Aicardi-Goutieres syndrome
Recommended Dilution:	WB,1:500 - 1:1000
Synonyms:	AGS7; Hlcd; MDA5; IMD95; MDA-5; RLR-2; IDDM19; SGMRT1
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 900-1000 of human MDA5 (Q9BYX4).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.