SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-IFIH1 Monoclonal Antibody

Catalog Number: SLA1702M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	5B1
GeneID:	64135
SWISS:	Q9BYX4
Target:	IFIH1
Immunogen:	A synthesized peptide derived from human MDA5
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	117 kDa
Subcellular Location:	Nucleus
Background:	Innate immune receptor which acts as a cytoplasmic sensor of viral nucleic acids and plays a major role in sensing viral infection and in the activation of a cascade of antiviral responses including the induction of type I interferons and pro-inflammatory cytokines

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

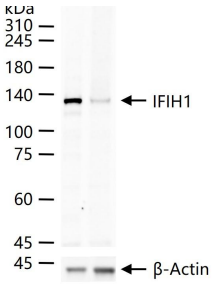


Figure 1. THP-1 (H) cells were treated with or without LPS (1 μg/ml) for 24 h, 25 μg total protein per lane of cell lysates (see on figure) probed with IFIH1 monoclonal antibody, unconjugated (SLA1702M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

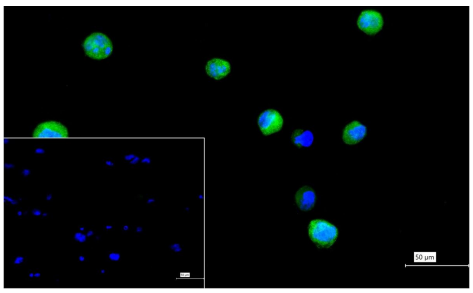


Figure 2. 4% Paraformaldehyde-fixed THP-1 (treated with LPS (1 μg/ml, 24h)) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (IFIH1) monoclonal Antibody, unconjugated (SLA1702M) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
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