

For Research Use Only

CoraLite® Plus 488-conjugated RIG-1/DDX58 Monoclonal antibody



Catalog Number: CL488-67556

Basic Information

Catalog Number: CL488-67556	GenBank Accession Number: BC132786	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 23586	CloneNo.: 3B10F5
Source: Mouse	UNIPROT ID: O95786	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG18591	Calculated MW: 925 aa, 106 kDa	
	Observed MW: 101/106 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: Human, mouse, rat	

Background Information

DDX58, also named as RIG-1, belongs to the helicase family. It is involved in innate immune defense against viruses. Upon interaction with intracellular dsRNA produced during viral replication, triggers a transduction cascade involving MAVS/IPS1, which results in the activation of NF-kappa-B, IRF3 and IRF7 and the induction of the expression of antiviral cytokines such as IFN-beta and RANTES (CCL5). Detects dsRNA produced from non-self dsDNA by RNA polymerase III, such as Epstein-Barr virus-encoded RNAs (EBERs). It is essential for the production of interferons in response to RNA viruses including paramyxoviruses, influenza viruses, Japanese encephalitis virus and HCV. The antibody is specific to DDX58, which has two isoform with the MW of 106 and 101 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

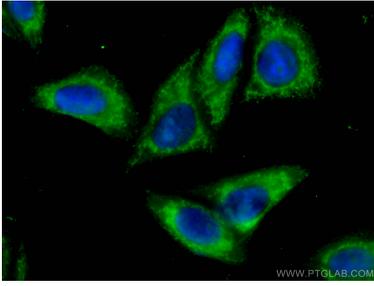
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488-conjugated RIG-1/DDX58 antibody (CL488-67556, Clone: 3B10F5) at dilution of 1:100.