

For Research Use Only

RIG-1/DDX58 Monoclonal antibody, PBS Only

Catalog Number:67556-1-PBS



Basic Information

Catalog Number: 67556-1-PBS	GenBank Accession Number: BC132786	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 23586	CloneNo.: 3B10F5
Source: Mouse	UNIPROT ID: O95786	
Isotype: IgG1	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	
Immunogen Catalog Number: AG18591	Calculated MW: 925 aa, 106 kDa	
	Observed MW: 101/106 kDa	

Applications

Tested Applications:
WB, IF, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

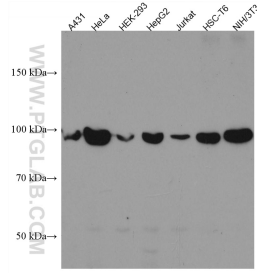
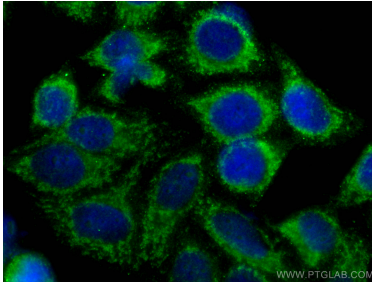
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using RIG-1/DDX58 antibody (67556-1-Ig, Clone: 3B10F5) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67556-1-PBS in a different storage buffer formulation.

Various lysates were subjected to SDS PAGE followed by western blot with 67556-1-Ig (DDX58 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67556-1-PBS in a different storage buffer formulation.