

Mouse anti-Human RIG I /DDx58 Monoclonal Antibody | anti-RIG I/DDx58 antibody

Monoclonal Antibody to RIG-I (Clone: ABM4H29)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14869	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot

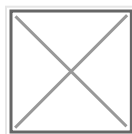
PRODUCT SYNONYMS

RIG I /DDx58; Monoclonal Antibody; Monoclonal Antibody to RIG-I (Clone: ABM4H29); anti-RIG I/DDx58 antibody

PRODUCT SPECIFICATIONS

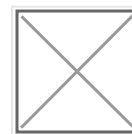
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	ABM4H29
Purity/Purification	Protein G chromatography
Form/Format	Purified; 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	925
Applicable Applications for anti-RIG I/DDx58 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Application Notes	Western blot analysis: 2-4ug/ml Immunohistochemical analysis: 15ug/ml Flow Cytometric analysis: 0.5-1ug/10 ⁶ cells
Immunogen	A partial length recombinant human RIG-1 protein (amino acids 1-220) was used as the immunogen for this antibody.
Preparation and Storage	Store antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



FCM (Flow Cytometry)

Intracellular flow cytometric analysis of RIG-I in K562 Cell line using 0.5 ug/10⁶ cells of Anti-RIGI antibody (ABM4H29). Green represent isotype control and red represent Anti-RIG I antibody (AAA14869). Goat anti-mouse PE conjugate was used as secondary.

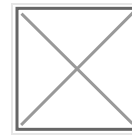


IHC (Immunohistochemistry)

Immunohistochemical analysis of RIG1/DDx58 in human Spleen Tissue using RIG1/DDx58 antibody (Clone: ABM4H29) at 15 ug/ml.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of RIG1/DDx58 in human Colon Tissue using RIG1/DDx58 antibody (Clone: ABM4H29) at 15 ug/ml.

**WB (Western Blot)**

Expression analysis of RIG1/DDx58. Anti-RIG1/DDx58 antibody (Clone: ABM4H29) was tested at 2 ug/ml on human kidney lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-RIG I/DDx58 antibody	RIG-I (retinoic-acid-inducible gene I), also known as DDX58 (DEAD (Asp-Glu-Ala-Asp) box polypeptide 58) is a 925-residue cytoplasmic viral RNA receptor, critically involved in the activation of the innate immune response to RNA virus infection. It is a member of the RIG-I-like receptor (RLR) family and is an essential intracellular sensor for several 5'-triphosphorylated RNA viruses. RIG-I elicits its antiviral interferon (IFN) responses by recognizing viral double-stranded RNAs (dsRNAs). Structurally it comprises a helicase domain, a C-terminal domain, and N-terminal CARDs (caspase activation recruitment domains) involved in activating MAVS (mitochondrial antiviral signaling protein). Upon binding of 5'-triphosphorylated RNA, RIG-I undergoes conformational changes and post-translational modifications that allow multimerization and interaction with the mitochondrial antiviral signaling protein (MAVS).
Product Categories/Family for anti-RIG I/DDx58 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	27881482
NCBI GeneID	23586
NCBI Accession #	NP_055129.2
NCBI GenBank Nucleotide #	NM_014314.3
UniProt Accession #	O95786 ; Q5HYE1 ; Q5VYT1 ; Q9NT04 ; A2RU81
NCBI Official Full Name	probable ATP-dependent RNA helicase DDX58
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
NCBI Official Symbol	DDX58
NCBI Official Synonym Symbols	RIGI; RIG-I; RLR-1; SGMRT2
NCBI Protein Information	probable ATP-dependent RNA helicase DDX58
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX58
UniProt Gene Name	DDX58
UniProt Synonym Gene Names	RLR-1; RIG-1; RIG-I
UniProt Entry Name	DDX58_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/rig-i-ddx58-antibody-clone-abm4h29-immunohistochemistry-flow-cytometry-western-blot-elisa/14869>