

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

RIG-I Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14865	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot

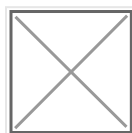
PRODUCT SYNONYMS

RIG-I; Monoclonal Antibody; RIG-I Monoclonal Antibody; anti-RIG-I antibody

PRODUCT SPECIFICATIONS

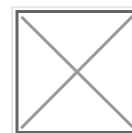
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	ABM40B5
Purity/Purification	Protein G Chromatography
Form/Format	Purified; 25ug in 50ul/100ug in 200ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-RIG-I antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Application Notes	Western blot analysis: 2-4ug/ml Immunohistochemical analysis: 5ug/ml Flowcytometric analysis: 0.5-1ug/10 ⁶ cells
Immunogen	A partial length recombinant human RIG-I 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



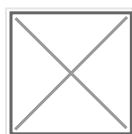
FCM (Flow Cytometry)

Intracellular flow cytometric analysis of RIG-I in K562 Cell line using 0.5 ug/10⁶ cells of Anti-RIGI antibody (ABM40B5). Green represent isotype control and red represent Anti-RIG I antibody (AAA14865). Goat anti-mouse PE conjugate was used as secondary.



IHC (Immunohistochemistry)

Immunohistochemical analysis of RIG I in normal human prostate tissue using RIG I antibody (Clone: ABM40B5) at 5 ug/ml.



WB (Western Blot)

Expression analysis of RIGI. Anti- RIGI antibody (Clone:ABM40B5) was used at 2 µg/ml on K562 Lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-RIG-I antibody	RIG-I or Probable ATP-dependent RNA helicase DDX58 or simply DDX58 is a RNA helicase enzyme with two isoforms (106 and 101 kDa). RIG-I belongs to the DEAD/H box family and is involved in several cellular responses including RNA binding and alteration of RNA secondary structure. RIG-1 acts as sensor of viral nucleic acids thus activating a cascade of antiviral responses including the induction of type I interferons and pro-inflammatory cytokines. Generally it remains as a monomer but upon activation by viral dsRNA it homomultimerizes and interacts with mitochondria antiviral signaling protein (MAVS/IPS1) which activating a cascade of reactions to produce specific interferon. RIG-1 is mostly expressed in vascular smooth cells.
Product Categories/Family for anti-RIG-I 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; DEAD box protein 58; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; RNA helicase RIG-I; retinoic acid-inducible gene 1 protein; retinoic acid-inducible gene I protein
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rig-i-antibody-clone-abm40b5-immunohistochemistry-flow-cytometry-western-blot-elisa/14865>