Rabbit SIRT4 Polyclonal Antibody | anti-SIRT4 antibody

Anti-SIRT4 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254457	**Rabbit**	**HumanPredicted to React with: Mouse (Species predicted to react based on 100% sequence homology)**	**Immunoprecipitation, Western Blot**

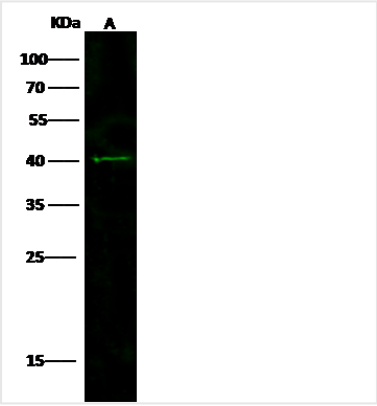
PRODUCT SYNONYMS

SIRT4; Polyclonal Antibody; Anti-SIRT4 Antibody; Rabbit Polyclonal; SIRT4 Antibody; Rabbit PAb; Antigen Affinity Purified; sirtuin 4; Anti-SIR2L4 Antibody; anti-SIRT4 antibody

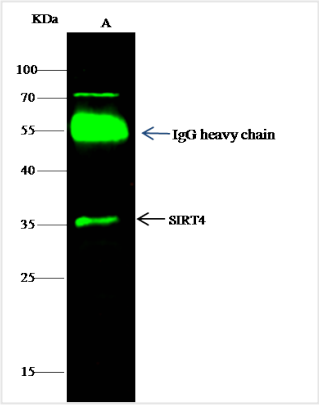
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SIRT4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SIRT4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human SIRT4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human SIRT4, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-SIRT4 rabbit polyclonal antibody at 1:500 dilutionLane A: MCF7 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:35 kDaObserved band size:40 kDa



IP (Immunoprecipitation)
SIRT4 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell Lysate0.5 uL anti-SIRT4 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein G.Primary antibody:Anti-SIRT4 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 35 kDaObserved band size: 35 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT4 antibody	Downregulation of SIRT4 significantly increased tumor proliferation, migration and invasion. Additionally, downregulation of SIRT4 decreased the chemosensitivity of CRC cells by inhibiting cell apoptosis. Thus, these results suggest that SIRT4 may be a promising therapeutic target in CRC. SIRT4 in the control of energy metabolism and meiotic apparatus during oocyte maturation and indicate that SIRT4 is an essential factor determining oocyte quality. SIRT4 ameliorates MI-R injury through regulating mitochondrial function and apoptosis, and suggest that manipulating SIRT4 may be of clinical benefit in MI-R injury.
Product Categories/Family for anti-SIRT4 antibody	p53 Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	119618588
NCBI GeneID	23409
UniProt Accession #	Q9Y6E7; O43346; Q32M33
Molecular Weight	35,188 Da
NCBI Official Full Name	sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae), isoform CRA_a
NCBI Official Synonym Full Names	sirtuin 4
NCBI Official Symbol	SIRT4
NCBI Official Synonym Symbols	SIR2L4
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-4; SIRT4; sir2-like 4; sirtuin type 4; SIR2-like protein 4; regulatory protein SIR2 homolog 4; NAD-dependent ADP-ribosyltransferase sirtuin-4
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-4
UniProt Gene Name	**SIRT4**
UniProt Entry Name	SIR4_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.