

Mouse anti-Human REXO2 Monoclonal Antibody | anti-REXO2 antibody

REXO2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48132	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

REXO2; Monoclonal Antibody; REXO2 antibody; Oligoribonuclease mitochondrial; Oligoribonuclease; mitochondrial; REX2; RNA exonuclease 2 homolog (S. cerevisiae); CGI-114; RFN; SFN; anti-REXO2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT59D9
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	237
Applicable Applications for anti-REXO2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human REXO 2 (26-237aa) purified from E. coli
Clone Note	Anti-human REXO2 mAb, clone AT59D9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Rexo2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of REXO2 in 293T cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human REXO2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of REXO2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human REXO2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human REXO2 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : SW480 cell lysate Lane 2. : HeLa cell lysate Lane 3. : 293T cell lysate Lane 4. : Jurkat cell lysate Lane 5. : K562 cell lysate Lane 6. : NIH3T3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-REXO2 antibody	REX2, RNA exonuclease 2 homolog (S. cerevisiae), also known as REXO2, is an enzyme which in humans is encoded by the REXO2 gene. Nucleases are components of DNA and RNA metabolism that carry out functions in DNA repair that also may be involved in resistance of human cells to UV-C-induced cell death through its role in the DNA repair process, replication, and recombination and in RNA processing and degradation. SFN is a homolog of Orn, a 3-prime-to-5-prime exoribonuclease of E. coli that attacks the free 3-prime hydroxyl group on single-stranded RNA, releasing 5-prime mono-nucleotides in a sequential manner.
Product Categories/Family for anti-REXO2 antibody	Epigenomics
References	Entrez Gene: REXO2 REX2, RNA exonuclease 2 homolog (S. cerevisiae); Lai, CH., et al. (2000) Genome Res 10 (5): 703-13; Nguyen, LH., et al. (2000) J.Biol.Chem 275 (34): 25900-6

NCBI AND UNIPROT INFORMATION

NCBI GI #	224496106
NCBI GeneID	25996
NCBI Accession #	NP_056338
NCBI GenBank Nucleotide #	NM_015523.3
UniProt Accession #	Q9Y3B8; Q32Q18; Q53FT1; Q6FIC6; Q9UFY7; B2R532
Molecular Weight	23,754 Da
NCBI Official Full Name	oligoribonuclease, mitochondrial
NCBI Official Synonym Full Names	RNA exonuclease 2
NCBI Official Symbol	REXO2
NCBI Official Synonym Symbols	RFN; SFN; REX2; CGI-114
NCBI Protein Information	oligoribonuclease, mitochondrial
UniProt Protein Name	Oligoribonuclease, mitochondrial
UniProt Gene Name	REXO2
UniProt Synonym Gene Names	SFN; SMFN

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/rexo2-antibody-clone-at59d9-immunofluorescence-immunocytochemistry-western-blot-elisa/48132>