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Product datasheet for AM50054PU-N

REXO2 Mouse Monoclonal Antibody [Clone ID: AT59D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT59D9
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:500.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human REXO 2 (26-237aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	RNA exonuclease 2
Database Link:	Entrez Gene 25996 Human Q9Y3B8

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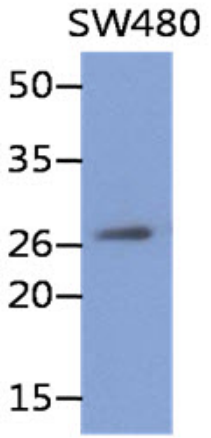
Background: REX2, RNA exonuclease 2 homolog (S. cerevisiae), also known as REXO2, is an enzyme which in humans is encoded by the REXO2 gene. Nucleases are components of DNA and RNA metabolism that carry out functions in DNA repair that also may be involved in resistance of human cells to UV-C-induced 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.

Synonyms: REXO-2, RNA exonuclease 2 homolog, Oligoribonuclease mitochondrial, Small fragment nuclease, SFN, SMFN, CGI-114

Product images:



The cell lysate of SW480 (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.