

REXO2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57683**Specification****REXO2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9Y3B8
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26833

REXO2 Polyclonal Antibody - Additional Information**Gene ID** 25996**Other Names**

Oligoribonuclease, mitochondrial, 3.1.-., RNA exonuclease 2 homolog, Small fragment nuclease, REXO2, SFN, SMFN

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

REXO2 Polyclonal Antibody - Protein Information**Name** REXO2**Synonyms** SFN, SMFN**Function**

3'-to-5' exoribonuclease that preferentially degrades DNA and RNA oligonucleotides composed of only two nucleotides (PubMed: 23741365, PubMed: 30926754, PubMed: 31588022, PubMed: 32365187). Binds and degrades longer oligonucleotides with a lower affinity (PubMed: 30926754, PubMed: 31588022, PubMed: 32365187).

Plays dual roles in mitochondria, scavenging nanoRNAs (small RNA oligonucleotides of <5 nucleotides) that are produced by the degradosome and clearing short RNAs that are generated by RNA processing (PubMed:30926754, PubMed:31588022, PubMed:32365187). Essential for correct initiation of mitochondrial transcription, degrading mitochondrial RNA dinucleotides to prevent RNA-primed transcription at non-canonical sites in the mitochondrial genome (PubMed:31588022). Essential for embryonic development (By similarity).

Cellular Location

Mitochondrion intermembrane space. Mitochondrion matrix. Mitochondrion. Cytoplasm. Nucleus

Tissue Location

Highly expressed in the heart and at lower levels in the lymph nodes, brain, lung, liver, spleen and thymus

REX02 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

REX02 Polyclonal Antibody - Images