

ROMO1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57838

Specification

ROMO1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	P60602
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ROMO1
Epitope Specificity	1-50/79
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion membrane.
SIMILARITY	Belongs to the MGR2 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The protein encoded by this gene is a mitochondrial membrane protein that is responsible for increasing the level of reactive oxygen species (ROS) in cells. The protein also has antimicrobial activity against a variety of bacteria by inducing bacterial membrane breakage. [provided by RefSeq, Nov 2014]

ROMO1 Polyclonal Antibody - Additional Information

Gene ID 140823

Other Names

Reactive oxygen species modulator 1, ROS modulator 1, Epididymis tissue protein Li 175, Glyrichin, Mitochondrial targeting GxxxG motif protein, MTGM, Protein MGR2 homolog, ROMO1, C20orf52

Target/Specificity

Up-regulated in a number of cancer cell lines when compared to a normal lung fibroblast cell line.

Dilution

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

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

ROMO1 Polyclonal Antibody - Protein Information

Name ROMO1

Synonyms C20orf52

Function

Induces production of reactive oxygen species (ROS) which are necessary for cell proliferation. May play a role in inducing oxidative DNA damage and replicative senescence. May play a role in the coordination of mitochondrial morphology and cell proliferation.

Cellular Location

Mitochondrion inner membrane; Single-pass membrane protein

Tissue Location

Up-regulated in a number of cancer cell lines when compared to a normal lung fibroblast cell line. Highly expressed in brain tumors.

ROMO1 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](#)

ROMO1 Polyclonal Antibody - Images