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ROMO1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57838

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	P60602
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8183
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]

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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

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.