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NET1 Rabbit pAb

Catalog # AP97455

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q7Z628
Other Accession	Q7Z628
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67740
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NET1
Epitope Specificity	151-250/596
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 DH (DBL-homology) domain. Contains 1 PH domain.
SUBUNIT	Interacts with RHOA in its GTP- and GDP-bound states, and with CDC42 in its GTP-bound state. Interacts with the PDZ 1 domain of BAIAP1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is part of the family of Rho guanine nucleotide exchange factors. Members of this family activate Rho proteins by catalyzing the exchange of GDP for GTP. The protein encoded by this gene interacts with RhoA within the cell nucleus and may play a role in repairing DNA damage after ionizing radiation. Pseudogenes of this gene are located on the long arms of chromosomes 1, 7 and 18. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

Additional Information

Gene ID	10276
Other Names	ARHGEF8; NET1A; ARHG8_HUMAN; NET1; Proto-oncogene p65 Net1; Rho guanine nucleotide exchange factor 8; neuroepithelial cell transforming 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	NET1
Synonyms	ARHGEF8
Function	Acts as a guanine nucleotide exchange factor (GEF) for RhoA GTPase. May be involved in activation of the SAPK/JNK pathway Stimulates genotoxic stress-induced RHOB activity in breast cancer cells leading to their cell death.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Widely expressed..

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