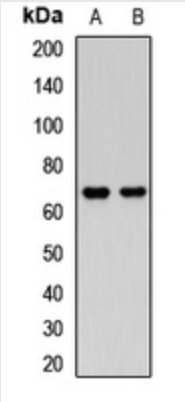
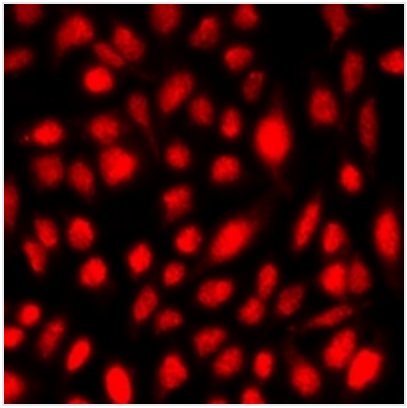
NET1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NET1, Polyclonal Antibody
Full Product Name	Anti-NET1 Antibody
Product Gene Name	anti-NET1 antibody
Product Synonym Names	ARHGEF8; Neuroepithelial cell-transforming gene 1 protein; Proto-oncogene p65 Net1; Rho guanine nucleotide exchange factor 8
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	Purified by immunogen affinity chromatography
Specificity	Recognizes endogenous levels of NET1 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	61,885 Da
OMIM	S82401 mRNA
3D Structure	ModBase 3D Structure for Q7Z628
Immunogen	Recombinant full length protein of human NET1
Applications Tested/Suitable for anti-NET1 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-NET1 antibody	WB: 1/500 - 1/2000 IF/ICC: 1/50 - 1/200
Related Product Information for anti-NET1 antibody	MBS8291766 is an antibody targeting NET1. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to NET1
Other Notes	Small volumes of anti-NET1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-NET1 antibody
Western blot analysis of NET1 expression in Jurkat (A), HEK293T (B) whole cell lysates.



Immunofluorescence (IF) of anti-NET1 antibody
Immunofluorescent analysis of NET1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NET1. It may not necessarily be applicable to this product.

NCBI GI #	114145479
NCBI GeneID	10276
NCBI Accession #	NP_001040625.1
UniProt Primary Accession #	Q7Z628
UniProt Secondary Accession #	Q12773; Q96D82; Q99903; Q9UEN6
UniProt Related Accession #	Q7Z628
GenBank Nucleotide #	NM_001047160.2
NCBI Official Full Name	neuroepithelial cell-transforming gene 1 protein isoform 1
NCBI Official Synonym Full Names	neuroepithelial cell transforming 1
NCBI Official Symbol	NET1
NCBI Official Synonym Symbols	NET1A; ARHGEF8
UniProt Protein Name	Neuroepithelial cell-transforming gene 1 protein
UniProt Synonym Protein Names	Proto-oncogene p65 Net1; Rho guanine nucleotide exchange factor 8
Protein Family	Neuroepithelial cell-transforming gene 1 protein
UniProt Gene Name	NET1
UniProt Synonym Gene Names	ARHGEF8
NCBI Protein Information	neuroepithelial cell-transforming gene 1 protein
NCBI Summary for NET1	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. [provided by RefSeq, Jul 2012]
UniProt Comments for NET1	Acts as 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.

Research Articles on NET1	**1.** Net1 promotes the angiogenesis in cervical squamous cell carcinomas and siRNA targeting of Net1 can effectively reduce angiogenesis and inhibit tumor growth via VEGF signaling.
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