10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Pescadillo Rabbit pAb

Catalog # AP97115

Product Information

Application	WB
Primary Accession	O00541
Other Accession	O00541
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68003
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Pescadillo
Epitope Specificity	21-120/588
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the pescadillo family. Contains 1 BRCT domain.
SUBUNIT	Interacts with IRS1 and UBTF. May interact with MAP1B (By similarity). Component of the PeBoW complex, composed of BOP1, PES1 and WDR12. Within the PeBoW complex BOP1 interacts directly with PES1 and WDR12. The PeBoW complex also associates with the 66S pre-ribosome.
Post-translational modifications	Sumoylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Pescadillo may play a crucial role in cell proliferation and may be necessary for oncogenic transformation and tumor progression. The protein is abnormally elevated in malignant tumors of astrocytic origin. It is a strongly conserved gene containing a BRCT domain that is essential for the activity of this gene product.

Additional Information

Gene ID	23481
Other Names	NOP7; PES; PESC_HUMAN; PES1; Q5SQ20_MOUSE; PESC_MOUSE; PESC_RAT; pescadillo ribosomal biogenesis factor 1; pescadillo (zebrafish) homolog 1, containing BRCT domain; pescadillo homolog 1, containing BRCT domain (zebrafish)
Dilution	WB=1:500-2000
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	PES1 {ECO:0000255|HAMAP-Rule:MF_03028}
Function	Component of the PeBoW complex, which is required for maturation of 28S and 5.8S ribosomal RNAs and formation of the 60S ribosome.
Cellular Location	Nucleus, nucleolus. Nucleus, nucleoplasm. Chromosome. Note=Appears to localize to the periphery of metaphase chromosomes during mitosis and to the prenucleolar bodies that form in mitotic cells prior to the actual nucleoli. {ECO:0000255|HAMAP- Rule:MF_03028}
Tissue Location	Significant levels are detected in a variety of cancer cell lines, including glioblastoma, breast carcinoma, colon carcinoma and cervical carcinoma cells. Levels are abnormally elevated in malignant tumors of astrocytic origin

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.