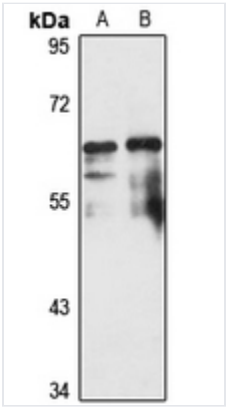
Pescadillo (PES1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Pescadillo (PES1), Polyclonal Antibody
Full Product Name	Anti-Pescadillo Antibody
Product Gene Name	anti-PES1 antibody
Product Synonym Names	Pescadillo homolog
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
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 Pescadillo protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	67,456 Da
OMIM	605819
3D Structure	ModBase 3D Structure for O00541
Immunogen	Recombinant fusion protein of human Pescadillo. The exact sequence is proprietary.
Applications Tested/Suitable for anti-PES1 antibody	Western Blot (WB)
Application Notes for anti-PES1 antibody	WB: 1:500-1:2000
Related Product Information for anti-PES1 antibody	MBS8307651 is an antibody targeting PES1. Also known as Anti-Pescadillo Antibody. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to Pescadillo
Other Notes	Small volumes of anti-PES1 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-PES1 antibody
Western blot analysis of Pescadillo expression in HepG2 (A), Jurkat (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PES1. It may not necessarily be applicable to this product.

NCBI GI #	7657455
NCBI GeneID	23481
NCBI Accession #	NP_055118.1
UniProt Primary Accession #	O00541
UniProt Secondary Accession #	Q6IC29
UniProt Related Accession #	O00541
GenBank Nucleotide #	NM_014303.3
NCBI Official Full Name	pescadillo homolog isoform 1
NCBI Official Synonym Full Names	pescadillo ribosomal biogenesis factor 1
NCBI Official Symbol	PES1
NCBI Official Synonym Symbols	PES
UniProt Protein Name	Pescadillo homolog
Protein Family	Pescadillo
UniProt Gene Name	PES1
UniProt Entry Name	PESC_HUMAN
NCBI Protein Information	pescadillo homolog; PES1; pescadillo homolog 1, containing BRCT domain
NCBI Summary for PES1	This gene encodes a nuclear protein that contains a breast cancer associated gene 1 (BRCA1) C-terminal interaction domain. The encoded protein interacts with BOP1 and WDR12 to form the PeBoW complex, which plays a critical role in cell proliferation via pre-rRNA processing and 60S ribosomal subunit maturation. Expression of this gene may play an important role in breast cancer proliferation and tumorigenicity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Pseudogenes of this gene are located on the long arm of chromosome 4 and the short arm of chromosome 9. [provided by RefSeq, Aug 2011]
UniProt Comments for PES1	PES1: Component of the PeBoW complex, which is required for maturation of 28S and 5.8S ribosomal RNAs and formation of the 60S ribosome. Belongs to the pescadillo family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Translation; Nucleolus Chromosomal Location of Human Ortholog: 22q12.1 Cellular Component: nucleoplasm; membrane; cytoplasm; nucleolus; condensed chromosome; nucleus Molecular Function: ribonucleoprotein binding; protein binding Biological Process: cell proliferation; regulation of cell cycle; protein localization in organelle; maturation of 5.8S rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA); maturation of LSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA); ribosomal large subunit biogenesis and assembly; nucleolus organization and biogenesis; rRNA processing
Research Articles on PES1	**1.** PES1 may play important role in the progression of ovarian cancer by inversely regulating the ERalpha and ERbeta expression.
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