

# pescadillo (C-17): sc-48624

## BACKGROUND

The deduced 588 amino acid pescadillo protein (also designated PES1) is the human homolog of zebrafish pescadillo and shows 74% sequence identity to the zebrafish sequence. During the first three days of zebrafish development, pescadillo is highly expressed, but no expression is observed in any adult tissue except the ovary. The mouse pescadillo sequence contains a BRCT (breast cancer C-terminal) domain, originally identified in BRCA1, a p53-binding protein. In mouse tissue, pescadillo is ubiquitously expressed with highest levels of expression in adult and fetal liver, followed by adult kidney and testis; the lowest expression is found in skeletal muscle. Pescadillo upregulation occurs in human breast carcinoma cells and in primary glioblastoma cells. Proliferation only occurs in HeLa cells that express pescadillo.

## CHROMOSOMAL LOCATION

Genetic locus: PES1 (human) mapping to 22q12.2; Pes1 (mouse) mapping to 11 A1.

## SOURCE

pescadillo (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of pescadillo of human origin.

## PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-48624 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-48624 X, 200 µg/0.1 ml.

## APPLICATIONS

pescadillo (C-17) is recommended for detection of pescadillo isoforms 1 and 2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

pescadillo (C-17) is also recommended for detection of pescadillo isoforms 1 and 2 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for pescadillo siRNA (h): sc-61328, pescadillo siRNA (m): sc-61329, pescadillo shRNA Plasmid (h): sc-61328-SH, pescadillo shRNA Plasmid (m): sc-61329-SH, pescadillo shRNA (h) Lentiviral Particles: sc-61328-V and pescadillo shRNA (m) Lentiviral Particles: sc-61329-V.

pescadillo (C-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

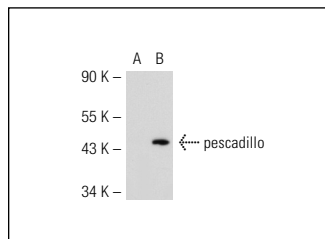
Molecular Weight of pescadillo: 68 kDa.

Positive Controls: T24 cell lysate: sc-2292, pescadillo (m): 293T Lysate: sc-125810 or HeLa whole cell lysate: sc-2200.

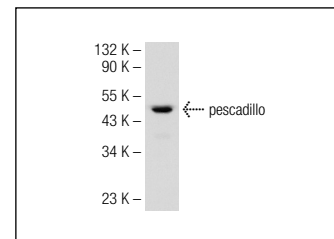
## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



pescadillo (C-17): sc-48624. Western blot analysis of pescadillo expression in non-transfected: sc-117752 (A) and mouse pescadillo transfected: sc-125810 (B) 293T whole cell lysates.



pescadillo (C-17): sc-48624. Western blot analysis of pescadillo expression in HeLa whole cell lysate.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.

**MONOS**  
Satisfaction  
Guaranteed

Try **pescadillo (H-10): sc-166300** or **pescadillo (G-11): sc-515273**, our highly recommended monoclonal alternatives to pescadillo (C-17).