

# Pellino 3 (H-180): sc-67026

## BACKGROUND

Mammalian Pellino proteins 1-3 (Pellino *Drosophila* homolog 1-3) are scaffolding components within toll-like receptor (TLR) and interleukin-1 (IL-1) receptor signaling cascades. Pellino 1 and 3 interact with complexes that also contain IL-1R-associated kinase-4 (IRAK-4) and tumor necrosis factor receptor-associated factor 6 (TRAF6). Pellino 1, 2 and 3 interact with Tak1 (TGF $\beta$  activated kinase 1). Pellino 2 can initiate mitogen-activated protein kinase pathways leading to activation of AP-1 and Elk-1. Pellino 3 promotes translocation of MAPK-activated protein kinase 2 from the nucleus to the cytoplasm and activates transcription factor CREB in a p38 MAPK-dependent manner. Pellino 3 physically interacts with NF $\kappa$ B-inducing kinase (NIK) in an IL-1-dependent manner and leads to activation of c-Jun, Elk-1 and c-Jun

## CHROMOSOMAL LOCATION

Genetic locus: PELI3 (human) mapping to 11q13.2; Peli3 (mouse) mapping to 19 A.

## SOURCE

Pellino 3 (H-180) is a rabbit polyclonal antibody raised against amino acids 101-280 mapping within an internal region of Pellino 3 of human origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## 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.

## APPLICATIONS

Pellino 3 (H-180) is recommended for detection of Pellino 3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g 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); may cross-react with Pellino 1 and 2.

Pellino 3 (H-180) is also recommended for detection of Pellino 3 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Pellino 3 siRNA (h): sc-44403, Pellino 3 siRNA (m): sc-44941, Pellino 3 shRNA Plasmid (h): sc-44403-SH, Pellino 3 shRNA Plasmid (m): sc-44941-SH, Pellino 3 shRNA (h) Lentiviral Particles: sc-44403-V and Pellino 3 shRNA (m) Lentiviral Particles: sc-44941-V.

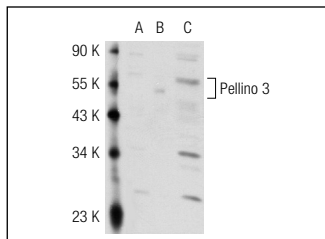
Molecular Weight of Pellino 3: 50.8 kDa.

Positive Controls: Ramos cell lysate: sc-2216 or Pellino 3 (m): 293T Lysate: sc-122484.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



Pellino 3 (H-180): sc-67026. Western blot analysis of Pellino 3 expression in non-transfected 293T: sc-117752 (A), mouse Pellino 3 transfected 293T: sc-122484 (B) and Ramos (C) whole cell lysates.

## PROTOCOLS

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



Try **Pellino 3 (B-3): sc-376466**, our highly recommended monoclonal alternative to Pellino 3 (H-180).