

# Peregrin (H-101): sc-98305

## BACKGROUND

Peregrin, also called BRPF1 or BR140, is a 1,214 amino acid bromodomain and PHD finger-containing protein. Localized to the nucleus and expressed ubiquitously with the highest levels of expression in testis and spermatogonia, Peregrin is a zinc-finger protein that is thought to be a transcriptional activator. Peregrin contains one C-terminal PWWP domain and, because of its similarity with transcriptional coactivators such as TAF II p250, is thought to be a DNA-binding protein. The gene encoding Peregrin is disrupted in myeloid leukemia, suggesting a possible role in carcinogenesis. Due to alternative splicing, two isoforms of the Peregrin protein exist.

## CHROMOSOMAL LOCATION

Genetic locus: BRPF1 (human) mapping to 3p25.3; Brpf1 (mouse) mapping to 6 E3.

## SOURCE

Peregrin (H-101) is a rabbit polyclonal antibody raised against amino acids 789-889 mapping within an internal region of Peregrin 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.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-98305 X, 200 µg/0.1 ml.

## STORAGE

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

## APPLICATIONS

Peregrin (H-101) is recommended for detection of Peregrin 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).

Peregrin (H-101) is also recommended for detection of Peregrin in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Peregrin siRNA (h): sc-78127, Peregrin shRNA Plasmid (h): sc-78127-SH and Peregrin shRNA (h) Lentiviral Particles: sc-78127-V.

Peregrin (H-101) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

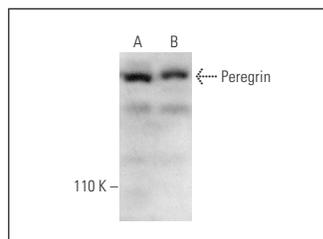
Molecular Weight of Peregrin: 150 kDa.

Positive Controls: HeLa nuclear extract: sc-2120 or U-937 nuclear extract: sc-2156.

## 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



Peregrin (H-101): sc-98305. Western blot analysis of Peregrin expression in HeLa (A) and U-937 (B) nuclear extracts.

## 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.


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Try **Peregrin (2093C5a): sc-81059**, our highly recommended monoclonal alternative to Peregrin (H-101).