

## PCID2 (L-18): sc-84566

### BACKGROUND

PCID2 (PCI domain-containing protein 2), also known as F10 or HT004, is a 399 amino acid protein that contains one PCI domain and exists as multiple alternatively spliced isoforms. The gene encoding PCID2 maps to human chromosome 13, which houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. As with most chromosomes, polysomy of part or all of chromosome 13 is deleterious to development and decreases the odds of survival. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

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### CHROMOSOMAL LOCATION

Genetic locus: PCID2 (human) mapping to 13q34; Pcid2 (mouse) mapping to 8 A1.1.

### SOURCE

PCID2 (L-18) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of PCID2 of human origin.

### PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-84566 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

PCID2 (L-18) is recommended for detection of PCID2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

PCID2 (L-18) is also recommended for detection of PCID2 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for PCID2 siRNA (h): sc-76087, PCID2 siRNA (m): sc-152110, PCID2 shRNA Plasmid (h): sc-76087-SH, PCID2 shRNA Plasmid (m): sc-152110-SH, PCID2 shRNA (h) Lentiviral Particles: sc-76087-V and PCID2 shRNA (m) Lentiviral Particles: sc-152110-V.

Molecular Weight of PCID2: 46 kDa.

### 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) 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.

### 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.