

## PTIP (C-20): sc-79277

### BACKGROUND

PTIP, also known as PAXIP1 (PAX interacting (with transcription-activation domain) protein 1), TNRC2, CAGF28, CAGF29, PACIP1 or PAXIP1L, is a 1,035 amino acid protein that localizes to both the nuclear membrane and the matrix side of the peripheral membrane and contains five BRCT domains. Existing as multiple alternatively spliced isoforms, PTIP functions as a crucial component of the DNA damage response pathway, specifically recognizing phosphorylated substrates and acting as a phosphoserine or phosphothreonine-specific binding module. Additionally, via its protein binding capabilities, PTIP may be involved in early development and cellular proliferation.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: PAXIP1 (human) mapping to 7q36.2; Paxip1 (mouse) mapping to 5 B1.

### SOURCE

PTIP (C-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of PTIP 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-79277 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

PTIP (C-20) is recommended for detection of PTIP 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).

PTIP (C-20) is also recommended for detection of PTIP in additional species, including bovine, porcine and avian.

Suitable for use as control antibody for PTIP siRNA (h): sc-76287, PTIP siRNA (m): sc-76288, PTIP shRNA Plasmid (h): sc-76287-SH, PTIP shRNA Plasmid (m): sc-76288-SH, PTIP shRNA (h) Lentiviral Particles: sc-76287-V and PTIP shRNA (m) Lentiviral Particles: sc-76288-V.

Molecular Weight of PTIP: 130 kDa.

### 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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) 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<sup>™</sup> 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.



Try **PTIP (4C11): sc-293322**, our highly recommended monoclonal alternative to PTIP (C-20).