

## PTPN2 Antibody

**CAB1808**

### Description

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This PTPN2 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB1808

**Contents:** 20  $\mu$ L, 100  $\mu$ L  
Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** PTN2, PTPT, TCPTP, TC-PTP, TCELLPTP, N2

**Clone:** -

**Applications:** **WB** **IF/ICC** **ELISA**

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 5771

**Uniprot:** AB\_2763847

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 45kDa

**Calculated MW:** 48kDa

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** SW480, BT-474, Jurkat, K-562

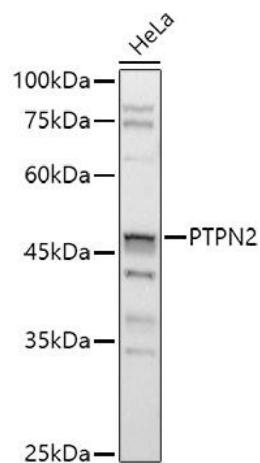
**Recommended Dilutions:**

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

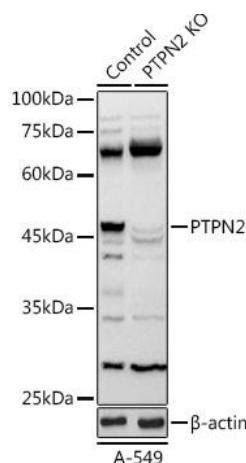
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

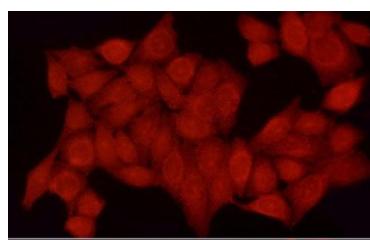
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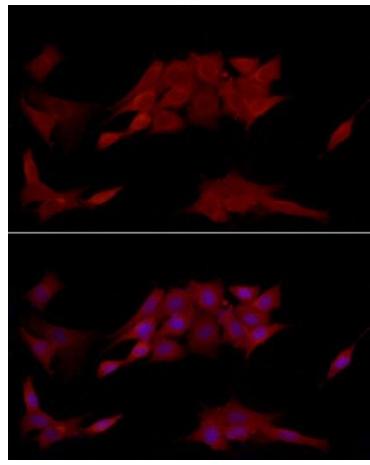
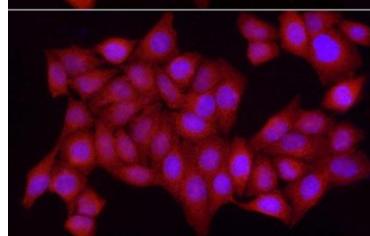
Western blot analysis of lysates from HeLa cells, using [KO Validated] PTPN2 Rabbit pAb (CAB1808) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



Western blot analysis of lysates from wild type (WT) and PTPN2 knockout (KO) A-549 cells, using [KO Validated] PTPN2 Rabbit pAb (CAB1808) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



Immunofluorescence analysis of HeLa cells using [KO Validated] PTPN2 Rabbit pAb (CAB1808) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] PTPN2 Rabbit pAb (CAB1808) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.