

Rabbit anti-Human PTRH2 Polyclonal Antibody | anti-PTRH2 antibody

Anti-PTRH2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257602	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

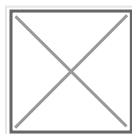
PRODUCT SYNONYMS

PTRH2; Polyclonal Antibody; Anti-PTRH2 Antibody; Rabbit Polyclonal; PTRH2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-BIT1 Antibody; Anti-CFAP37 Antibody; Anti-CGI-147 Antibody; Anti-IMNEPD Antibody; Anti-PTH Antibody; Anti-PTH 2 Antibody; Anti-PTH2 Antibody; peptidyl-tRNA hydrolase 2; anti-PTRH2 antibody

PRODUCT SPECIFICATIONS

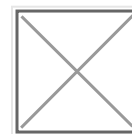
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PTRH2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PTRH2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PTRH2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PTRH2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	<p>This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.</p> <p>This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.</p>

IMAGES



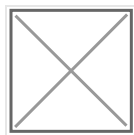
IP (Immunoprecipitation)

PTRH2 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate, 4 uL anti-PTRH2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PTRH2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 19 kDa. Observed band size: 19 kDa.



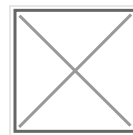
IF (Immunofluorescence)

Immunofluorescence staining of PTRH2 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PTRH2 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor-488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



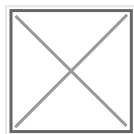
IHC (Immunohistochemistry)

Immunochemical staining of human PTRH2 in human liver with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PTRH2 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-BIT1 / PTRH2 rabbit polyclonal antibody at 1:2000 dilution Lane A: Jurkat Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 19 kDa Observed band size: 19 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-PTRH2 antibody

Background: PTH2, also known as PTRH2, is a mitochondrial protein that belongs to the PTH2 family. PTH 2 is released during apoptosis from the mitochondria to the cytoplasm. The natural substrate for PTH 2 may be peptidyl-tRNAs which drop off the ribosome during protein synthesis. When in the cytoplasm, PTRH2 regulates the function of 2 transcriptional regulators, TLE5 and TLE1, thus promoting caspase-independent cell death.

References

Prahalad AK. et al., 2006, Proteomics. 6 (12): 3482-93. Jin L. et al., 2000, J Biol Chem. 275 (35): 27238-44. Boone T. et al., 2000, Nat Struct Biol. 7 (6): 486-91.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptrh2-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/257602>