

## Rabbit PTRH2 Polyclonal Antibody | anti-PTRH2 antibody

PTRH2 Polyclonal Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA169209</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

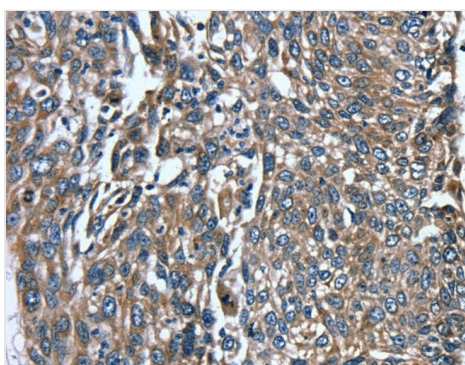
### PRODUCT SYNONYMS

PTRH2; Polyclonal Antibody; PTRH2 Polyclonal Antibody; BIT1; PTH2; CFAP37; CGI-147; anti-PTRH2 antibody

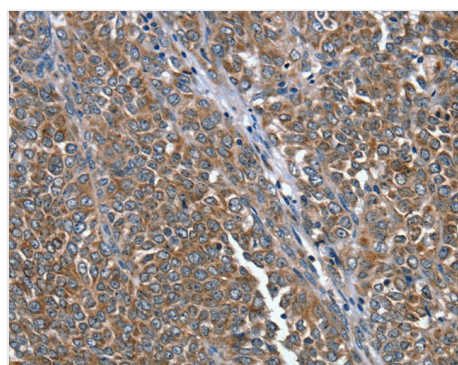
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human, Mouse, Rat                                                                         |
| Clonality                                       | Polyclonal                                                                                |
| Isotype                                         | IgG                                                                                       |
| Purity/Purification                             | Antigen affinity purification                                                             |
| Concentration                                   | 0.7mg/mL (varies by lot)                                                                  |
| Sequence Length                                 | 179                                                                                       |
| Applicable Applications for anti-PTRH2 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                      |
| Immunogen                                       | Recombinant protein of human PTRH2                                                        |
| Buffer                                          | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                         | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

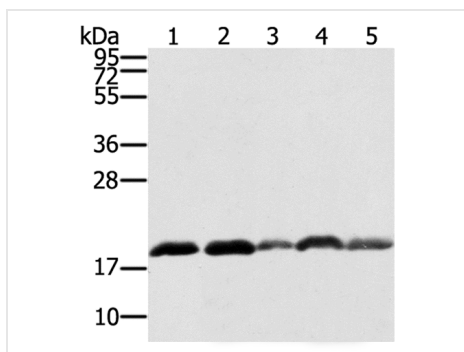
### IMAGES



**IHC (Immunohistochemisry)**  
Immunohistochemistry of paraffin-embedded Human lung cancer using PTRH2 Polyclonal Antibody at dilution of 1:20



**IHC (Immunohiostchemistry)**  
Immunohistochemistry of paraffin-embedded Human ovarian cancer using PTRH2 Polyclonal Antibody at dilution of 1:20



#### WB (Western Blot)

Western Blot analysis of K562, hepg2, 231, Jurkat and Raji cell using PTRH2 Polyclonal Antibody at dilution of 1:250

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PTRH2 antibody</b> | PTRH2 (peptidyl-tRNA hydrolase 2), also known as BIT1 (Bcl-2 inhibitor of transcription 1), is a 179 amino acid mitochondrial protein. During apoptosis, PTRH2 is released from the mitochondria to the cytoplasm. Once in the cytoplasm, PTRH2 regulates the function of two transcriptional regulators, TLE5 and TLE1, thereby promoting caspase-independent cell death. It is also believed that the natural substrate for PTRH2 may be petidyl-tRNAs, which leave the ribosomes during protein synthesis. |
| <b>Product Categories/Family for anti-PTRH2 antibody</b>   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                               |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 6686183                                                                                                                       |
| <b>NCBI GeneID</b>                      | 51651                                                                                                                         |
| <b>Molecular Weight</b>                 | 19,194 Da                                                                                                                     |
| <b>NCBI Official Full Name</b>          | Peptidyl-tRNA hydrolase 2, mitochondrial                                                                                      |
| <b>NCBI Official Synonym Full Names</b> | peptidyl-tRNA hydrolase 2                                                                                                     |
| <b>NCBI Official Symbol</b>             | PTRH2                                                                                                                         |
| <b>NCBI Official Synonym Symbols</b>    | BIT1; PTH2; CFAP37; CGI-147                                                                                                   |
| <b>NCBI Protein Information</b>         | peptidyl-tRNA hydrolase 2, mitochondrial; PTH 2; bcl-2 inhibitor of transcription 1; cilia and flagella associated protein 37 |
| <b>UniProt Protein Name</b>             | Peptidyl-tRNA hydrolase 2, mitochondrial                                                                                      |
| <b>UniProt Gene Name</b>                | <b>PTRH2</b>                                                                                                                  |
| <b>UniProt Synonym Gene Names</b>       | BIT1; PTH2; PTH 2                                                                                                             |
| <b>UniProt Entry Name</b>               | PTH2_HUMAN                                                                                                                    |

**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://www.aaabiotech.com/polyclonal/ptrh2-antibody-immunohistochemistry-western-blot-elisa/169209>