

**Anti-RNH1 Picoband Antibody**  
Catalog # ABO12571**Specification****Anti-RNH1 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P13489</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Ribonuclease inhibitor(RNH1) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-RNH1 Picoband Antibody - Additional Information**

**Gene ID** 6050

**Other Names**

Ribonuclease inhibitor, Placental ribonuclease inhibitor, Placental RNase inhibitor, Ribonuclease/angiogenin inhibitor 1, RAI, RNH1, PRI, RNH

**Calculated MW**

49973 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

Cytoplasm.

**Protein Name**

Ribonuclease inhibitor

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human RNH1 (2-37aa SLDIQSLDIQCEELSDARWAEELLPLLQQCQVRLDD), different from the related mouse sequence by five amino acids, and from the related rat sequence by four amino acids.

**Purification**

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins.

### Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## Anti-RNH1 Picoband Antibody - Protein Information

**Name** RNH1

**Synonyms** PRI, RNH

### Function

Ribonuclease inhibitor which inhibits RNASE1, RNASE2 and ANG. May play a role in redox homeostasis.

### Cellular Location

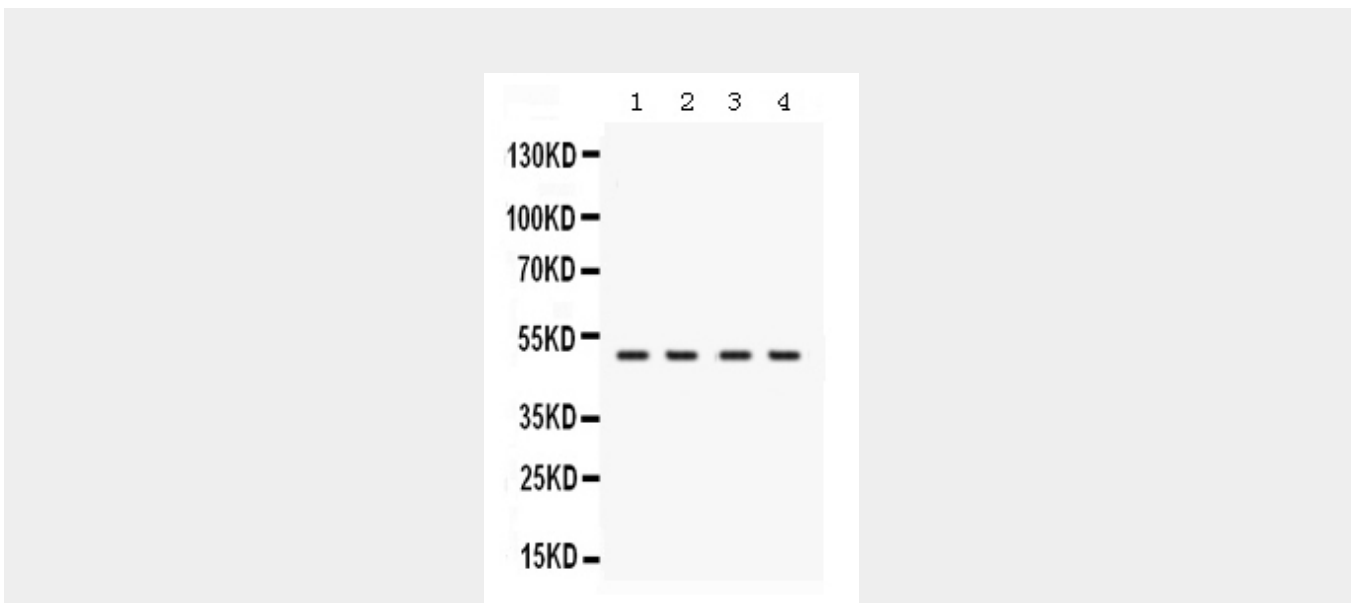
Cytoplasm.

## Anti-RNH1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-RNH1 Picoband Antibody - Images



Western blot analysis of RNH1 expression in rat testis extract (lane 1), mouse brain extract (lane 2), human placenta extract (lane 2) and K562 whole cell lysates (lane 4). RNH1 at 50KD was detected using rabbit anti- RNH1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12571) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

#### **Anti-RNH1 Picoband Antibody - Background**

Ribonuclease inhibitor is an enzyme that in humans is encoded by the RNH1 gene. Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic RNase inhibitors that occur in many tissues and bind to both intracellular and extracellular RNases. In addition to control of intracellular RNases, the inhibitor may have a role in the regulation of angiogenin. Ribonuclease inhibitor, of 50,000 Da, binds to ribonucleases and holds them in a latent form. Since neutral and alkaline ribonucleases probably play a critical role in the turnover of RNA in eukaryotic cells, RNH may be essential for control of mRNA turnover; the interaction of eukaryotic cells with ribonuclease may be reversible in vivo.