

**Anti-Unrip Picoband Antibody**  
Catalog # ABO12098**Specification****Anti-Unrip Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q9Y3F4</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Serine-threonine kinase receptor-associated protein(STRAP) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

**Reconstitution**

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

**Anti-Unrip Picoband Antibody - Additional Information**

**Gene ID** 11171

**Other Names**

Serine-threonine kinase receptor-associated protein, MAP activator with WD repeats, UNR-interacting protein, WD-40 repeat protein PT-WD, STRAP, MAWD, UNRIP

**Calculated MW**

38438 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat <br>

**Subcellular Localization**

Cytoplasm. Nucleus. Localized predominantly in the cytoplasm but also found in the nucleus.

**Protein Name**

Serine-threonine kinase receptor-associated protein

**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>N.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human Unrip(78-104aa AADFTAKVWDVAVSGDELMTLAHKHIVK), identical to the related mouse and rat sequences.

**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.**

**Sequence Similarities**

Belongs to the WD repeat STRAP family.

**Anti-Unrip Picoband Antibody - Protein Information**

**Name** STRAP

**Synonyms** MAWD, UNRIP

**Function**

The SMN complex catalyzes the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome, and thereby plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP (Sm core). In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. To assemble core snRNPs, the SMN complex accepts the trapped 5Sm proteins from CLNS1A forming an intermediate. Binding of snRNA inside 5Sm triggers eviction of the SMN complex, thereby allowing binding of SNRPD3 and SNRPB to complete assembly of the core snRNP. STRAP plays a role in the cellular distribution of the SMN complex. Negatively regulates TGF-beta signaling but positively regulates the PDK1 kinase activity by enhancing its autophosphorylation and by significantly reducing the association of PDK1 with 14-3-3 protein.

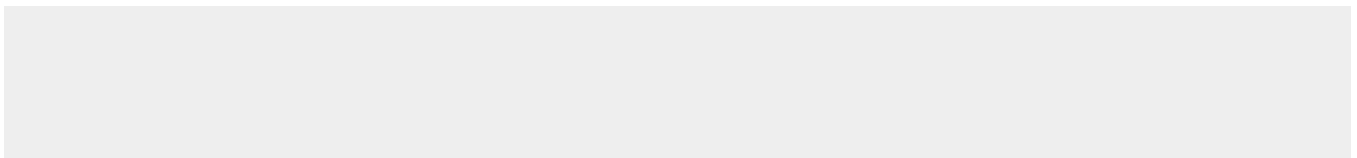
**Cellular Location**

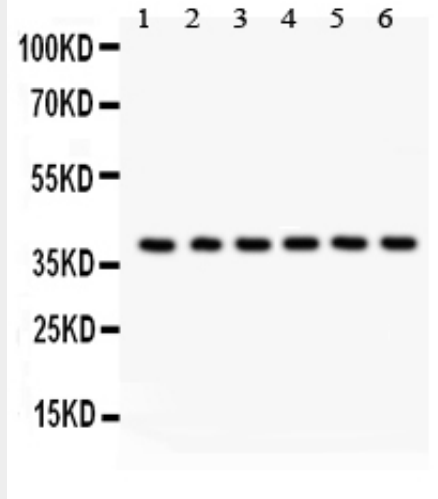
Cytoplasm. Nucleus. Note=Localized predominantly in the cytoplasm but also found in the nucleus

**Anti-Unrip Picoband Antibody - Protocols**

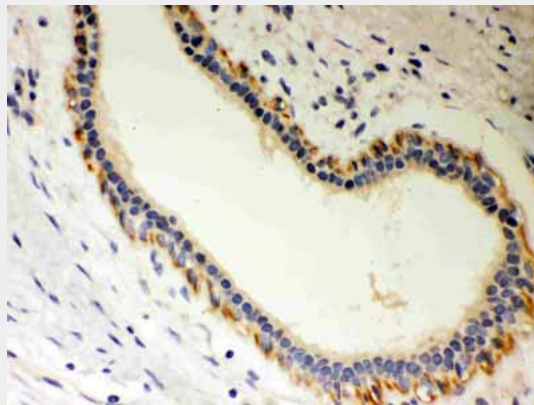
Provided below are standard protocols that you may find useful for product applications.

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

**Anti-Unrip Picoband Antibody - Images**



Anti- Unrip Picoband antibody, ABO12098, Western blotting All lanes: Anti Unrip (ABO12098) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: HEPG2 Whole Cell Lysate at 40ug Lane 3: SMMC Whole Cell Lysate at 40ug Lane 4: U87 Whole Cell Lysate at 40ug Lane 5: Human Placenta Tissue Lysate at 50ug Lane 6: HELA Whole Cell Lysate at 40ug Predicted bind size: 38KD Observed bind size: 38KD



Anti- Unrip Picoband antibody, ABO12098, IHC(P) IHC(P): Human Mammary Cancer Tissue

### Anti-Unrip Picoband Antibody - Background

Unrip is also known as STRAP (Serine-threonine kinase receptor-associated protein). It is an enzyme that in humans is encoded by the STRAP gene. It is mapped to 12p12.3. UNRIP is integrated into a complex with UNR or with the SMN complex in vivo in a mutually exclusive manner. It is concluded that UNRIP is the first component of the uridine-rich snRNP assembly machinery that associates with the SMN complex in a compartment-specific way, and it may play a crucial role in the intracellular distribution of the SMN complex.