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Anti-Unrip Picoband Antibody
Catalog # ABO12098

Specification

Anti-Unrip Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9Y3F4
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
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

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 Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human Unrip(78-104aa AADFTAKVWDAVSGDELMTLAHKHIVK), 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 r˚Constitution, 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 PDPK1 kinase activity by enhancing its autophosphorylation and by significantly reducing the association of PDPK1 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 Cytomety
- Cell Culture

Anti-Unrip Picoband Antibody - Images

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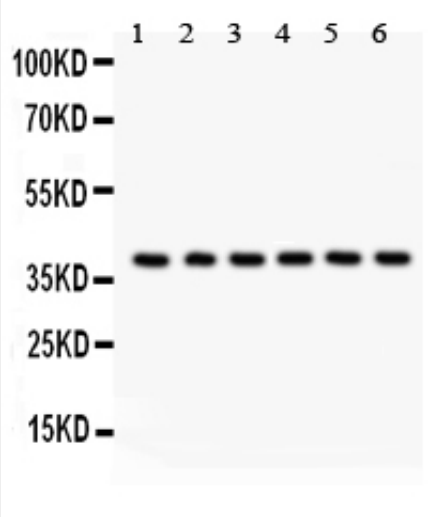
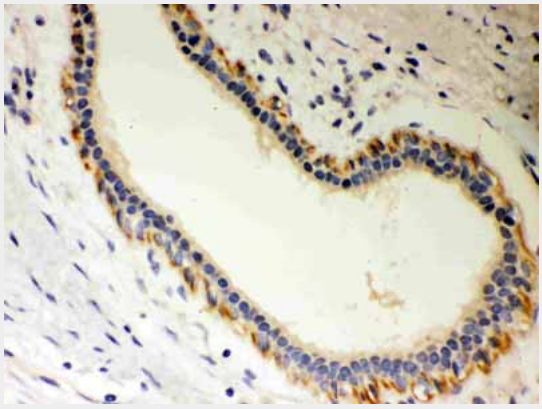


Anti- Unrip Picoband antibody, ABO12098, Western blottingAll lanes: Anti Unrip (ABO12098) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: HEPG2 Whole Cell Lysate at 40ugLane 3: SMMC Whole Cell Lysate at 40ugLane 4: U87 Whole Cell Lysate at 40ugLane 5: Human Placenta Tissue Lysate at 50ugLane 6: HELA Whole Cell Lysate at 40ugPredicted bind size: 38KDObserved 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 anenzyme 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.