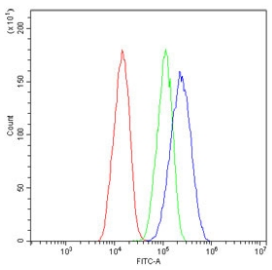
# Pinin Antibody / PNN / DRSP (RQ5834)

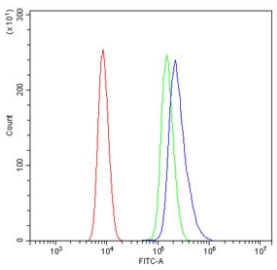
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5834 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

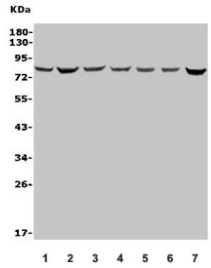
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | Q9H307 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This Pinin antibody is available for research use only. |



Flow cytometry testing of human HepG2 cells with Pinin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Pinin antibody.



Flow cytometry testing of human HL-60 cells with Pinin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Pinin antibody.




Western blot testing of human 1) HeLa, 2) HepG2, 3) HL-60, 4) K562, 5) rat liver, 6) rat kidney, 7) mouse Neuro-2a lysate with Pinin antibody. Predicted molecular weight ~82 kDa.

## Description

Pinin is a protein that in humans is encoded by the PNN gene. By yeast 2-hybrid analysis of HeLa cells, followed by sequence analysis, it was found that epitope-tagged human PNN interacted with the serine/arginine (SR)-rich proteins SRP75/SRSF4, SRM300/SRRM2, and SRRP130/PNISR. Truncation analysis revealed that the polyserine/RS domain of PNN and flanking sequences participated in binding to these SR proteins. The 4 proteins colocalized in the nucleus of HCE-T cells, and overexpression of any of these proteins affected the distribution of the others between nuclear speckles and nucleoplasm.

## Application Notes

Optimal dilution of the Pinin antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids A2-L241) was used as the immunogen for the Pinin antibody.

## Storage

After reconstitution, the Pinin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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