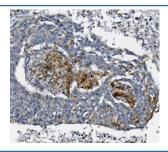


# **AFAP1 Antibody (RQ6241)**

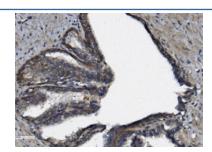
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ6241      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

## **Bulk quote request**

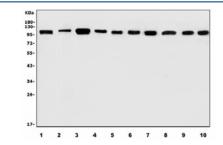
| Availability       | 1-3 business days   |
|--------------------|---|
| Species Reactivity | Human, Mouse, Rat   |
| Format             | Antigen affinity purified   |
| Clonality          | Polyclonal (rabbit origin)  |
| Isotype            | Rabbit IgG  |
| Purity             | Affinity purified   |
| Buffer             | Lyophilized from 1X PBS with 2% Trehalose   |
| UniProt            | Q8N556  |
| Applications       | Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml |
| Limitations        | This AFAP1 antibody is available for research use only.   |



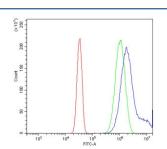
IHC staining of FFPE human lung cancer with AFAP1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



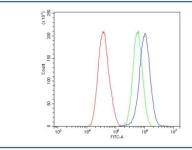
IHC staining of FFPE human prostate cancer with AFAP1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human Hela, 2) human SH-SY5Y, 3) human A431, 4) human U-87 MG, 5) rat brain, 6) rat lung, 7) rat stomach, 8) mouse brain, 9) mouse lung and 10) mouse stomach lysate with AFAP1 antibody. Predicted molecular weight ~120 kDa.



Flow cytometry testing of human U-2 OS cells with AFAP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= AFAP1 antibody.



Flow cytometry testing of human A549 cells with AFAP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= AFAP1 antibody.

## **Description**

Actin filament-associated protein 1 is a protein that in humans is encoded by the AFAP1 gene. The protein encoded by this gene is a Src binding partner. It may represent a potential modulator of actin filament integrity in response to cellular signals, and may function as an adaptor protein by linking Src family members and/or other signaling proteins to actin filaments. Multiple transcript variants encoding different isoforms have been found for this gene.

# **Application Notes**

Optimal dilution of the AFAP1 antibody should be determined by the researcher.

#### **Immunogen**

A human recombinant partial protein (amino acids A498-T730) was used as the immunogen for the AFAP1 antibody.

### **Storage**

After reconstitution, the AFAP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.