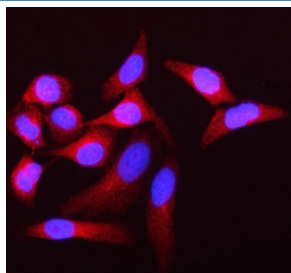


## Atherin Antibody / SAMD1 (RQ8245)

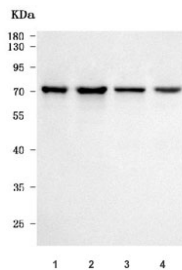
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ8245      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

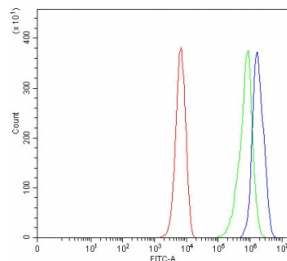
|                           |                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                |
| <b>Species Reactivity</b> | Human                                                                                            |
| <b>Format</b>             | Antigen affinity purified                                                                        |
| <b>Host</b>               | Rabbit                                                                                           |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                       |
| <b>Isotype</b>            | Rabbit IgG                                                                                       |
| <b>Purity</b>             | Antigen affinity purified                                                                        |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                                                        |
| <b>UniProt</b>            | Q6SPF0                                                                                           |
| <b>Localization</b>       | Nuclear, cytoplasmic, secreted                                                                   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This Atherin antibody is available for research use only.                                        |



Immunofluorescent staining of FFPE human HeLa cells with Atherin antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) SH-SY5Y, 2) MCF7, 3) HeLa and 4) A431 cell lysate with Atherin antibody. Predicted molecular weight ~56 kDa, observed here at ~70 kDa.



Flow cytometry testing of fixed and permeabilized human K562 cells with Atherin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Atherin antibody.

## Description

Predicted to enable chromatin binding activity and histone binding activity. Predicted to be involved in negative regulation of transcription, DNA-templated. Predicted to be located in cytoplasm and extracellular region. Predicted to be active in nucleus.

## Application Notes

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

## Immunogen

E. coli-derived recombinant human protein (amino acids K75-L537) was used as the immunogen for the Atherin antibody.

## Storage

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