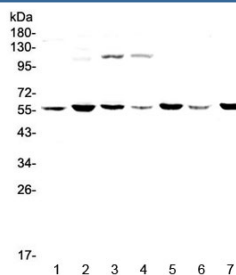


## CHRNA3 Antibody (RQ4415)

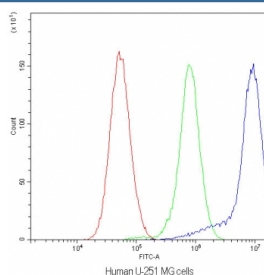
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ4415      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

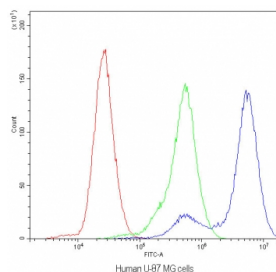
|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                         |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                         |
| <b>Format</b>             | Antigen affinity purified                                                 |
| <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 and 0.025% sodium azide         |
| <b>UniProt</b>            | P32297                                                                    |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/10 <sup>6</sup> cells |
| <b>Limitations</b>        | This CHRNA3 antibody is available for research use only.                  |



Western blot testing of human 1) HeLa, 2) MDA-MB-453, 3) Jurkat, 4) HepG2, 5) SK-OV-3, 6) PANC-1 and 7) mouse thymus lysate with CHRNA3 antibody at 0.5ug/ml. Predicted molecular weight ~57 kDa.



Flow cytometry testing of human U-251 MG cells with CHRNA3 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CHRNA3 antibody.



Flow cytometry testing of human U-87 MG cells with CHRNA3 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CHRNA3 antibody.

## Description

After binding acetylcholine, Nicotinic Acetylcholine Receptor alpha 3 (CHRNA3) responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. [UniProt]

## Application Notes

Optimal dilution of the CHRNA3 antibody should be determined by the researcher.

## Immunogen

Amino acids DAVLSLSALSPEIKEAIQSVKYIAENMKAQNEAKEIQD from the human protein were used as the immunogen for the CHRNA3 antibody.

## Storage

After reconstitution, the CHRNA3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.