

## Mouse Monoclonal Antibody to RTN3

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| <b>Catalogue Number</b>        | sAP-0307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Target Molecule</b>         | <p><b>Name:</b> RTN3</p> <p><b>Aliases:</b> HAP; ASYIP; NSPL2; NSPLI; RTN3-A1</p> <p><b>MW:</b> 113kDa</p> <p><b>Entrez Gene ID:</b> 10313</p>                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>             | RTN3, reticulon 3. The reticulons are a group of highly conserved genes with preferential expression in neuroendocrine tissues. RTN3 may be involved in membrane trafficking in the early secretory pathway. Inhibits BACE1 activity and amyloid precursor protein processing. May induce caspase-8 cascade and apoptosis. May favor BCL2 translocation to the mitochondria upon endoplasmic reticulum stress. In case of enteroviruses infection, RTN3 may be involved in the viral replication or pathogenesis. There are 5 isoforms. |
| <b>Immunogen</b>               | Purified recombinant fragment of RTN3 expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactive Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clone</b>                   | MM1E11;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Size and Concentration</b>  | 100µg/1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>            | ELISA: 1 to 10000; ICC: 1 to 200 - 1 to 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reference</b>               | 1. Biochem Biophys Res Commun. 2005 Sep 9;334(4):1198-205. ; 2. Brain Res Mol Brain Res. 2005 Aug 18;138(2):236-43. ; 3. FASEB J. 2003 Jul;17(10):1238-47.                                                                                                                                                                                                                                                                                                                                                                              |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**