

## Product Datasheet

### VGLUT1 Antibody (orb67482)

|                            |                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | Mouse Anti-Rat VGLUT1 Monoclonal IgG1                                                                                                                                               |
| <b>Species/Host</b>        | Mouse                                                                                                                                                                               |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                                                                                                                   |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                        |
| <b>Tested Applications</b> | IHC, WB                                                                                                                                                                             |
| <b>Immunogen</b>           | Fusion protein amino acids 493-560 (cytoplasmic C-terminus) of rat VGLut1                                                                                                           |
| <b>Target</b>              | VGLUT1                                                                                                                                                                              |
| <b>Preservatives</b>       | PBS pH 7.4, 50% glycerol, 0.09% sodium azide *Storage buffer may change when conjugated                                                                                             |
| <b>Concentration</b>       | 1 mg/ml                                                                                                                                                                             |
| <b>Storage</b>             | -20°C                                                                                                                                                                               |
| <b>Note</b>                | For research use only                                                                                                                                                               |
| <b>Application notes</b>   | 1 µg/ml of SMC-394 was sufficient for detection of VGLut1 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody. |
| <b>Isotype</b>             | IgG1                                                                                                                                                                                |
| <b>Clonality</b>           | Monoclonal                                                                                                                                                                          |
| <b>MW</b>                  | 52kDa                                                                                                                                                                               |
| <b>Uniprot ID</b>          | <a href="#">Q62634</a>                                                                                                                                                              |
| <b>NCBI</b>                | <a href="#">NP_446311.1</a>                                                                                                                                                         |
| <b>Entrez</b>              | <a href="#">116638</a>                                                                                                                                                              |
| <b>Dilution Range</b>      | WB (1:1000)                                                                                                                                                                         |
| <b>Expiration Date</b>     | 12 months from date of receipt.                                                                                                                                                     |



Western blot analysis of rat membrane tissue.