

# AB-NN314-1

## Nav beta 2 Antibody

Pan-specific monoclonal antibody (S395-68) for monitoring the expression of mouse Nav beta 2



# KINEXUS

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### Target Protein

|                                      |  |
|--------------------------------------|--|
| <b>Name Long:</b>                    | Sodium channel subunit beta-2                              |
| <b>Alias:</b>                        | Sodium channel subunit beta-2, Scn2b, UNQ326/PRO386, Gm183 |
| <b>UniProt ID:</b>                   | Q56A07 - Mouse   |
| <b>Human Predicted Mass (kDa):</b>   | 24.326 (215 AA; Q5U0K8-1)                                  |
| <b>Observed SDS-PAGE Mass (kDa):</b> | 40   |

### Immunogen

|                                   |  |
|-----------------------------------|--|
| <b>Antibody Immunogen Source:</b> | Fusion protein amino acids 1-215 (full-length) of mouse NavBeta2 |
|-----------------------------------|--|

### Production

|  |   |
|--|---|
| <b>Antibody Host Species:</b>            | Mouse   |
| <b>Antibody Type:</b>                    | Monoclonal  |
| <b>Antibody Ig Isotype Clone Lot:</b>    | IgG2B   |
| <b>Antibody Purification:</b>            | Protein G purified  |
| <b>Amount:</b>                           | 25 µg   |
| <b>Antibody Concentration:</b>           | 1 mg/ml   |
| <b>Lot Number:</b>                       | 15DE1   |
| <b>Storage Buffer:</b>                   | Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide   |
| <b>Storage Conditions and Stability:</b> | For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. |

### Applications

|   |   |
|---|---|
| <b>Product Use:</b>                     | WB   IHC   ICC/IF   |
| <b>Antibody Dilution Recommended:</b>   | WB (1:1000); optimal dilutions for assays should be determined by the user.   |
| <b>Antibody Species Reactivity:</b>     | Human   Mouse   Rat   |
| <b>Antibody Positive Control:</b>       | A 1:100 dilution of SMC-485 was sufficient for detection of NavBeta2 in 20 µg of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. |
| <b>Target Detection Immunoblotting:</b> | In mouse brain lysates, this antibody detects a ~40 kDa protein.  |
| <b>Antibody Specificity:</b>            | High  |
| <b>Antibody Cross Reactivities:</b>     | Does not cross-react with NavBeta1, Navbeta3, or Navbeta4. One very strong ~75 kDa immuno-reactive protein.   |

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-888-546-3987