

## Anti-BDNF antibody (20-247) [S9MM] (STJ11100099)

### GENERAL INFORMATION

|               |                    |
|---------------|--------------------|
| Product Type  | Primary antibodies |
| Applications  | WB/ELISA           |
| Host / Source | Mouse              |
| Reactivity    | Mouse/Rat          |

### PRODUCT PROPERTIES

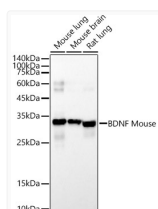
|                     |                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Monoclonal                                                                                                                                             |
| Concentration       | Lot specific                                                                                                                                           |
| Conjugation         | Unconjugated                                                                                                                                           |
| Purification        | Affinity purification                                                                                                                                  |
| Dilution Range      | WB:1:5000-1:20000<br>ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.                                                                                                       |
| Isotype             | IgG2ak                                                                                                                                                 |
| Molecular Weight    | Protein Mw: 28kDa<br>Observed Mw: 28kDa                                                                                                                |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                         |

### TARGET INFORMATION

|                    |                                                                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">627</a>                                                                                                                                                                                                                                    |
| Gene Symbol        | <a href="#">BDNF</a>                                                                                                                                                                                                                                   |
| UniProt ID         | <a href="#">BDNF_HUMAN</a>                                                                                                                                                                                                                             |
| Immunogen Region   | 20-247                                                                                                                                                                                                                                                 |
| Immunogen Sequence | PMKEANIRGQGGLAYPGVRT HGTLESVNGPKAGSRGLTSL ADTFEHVIEELLDEDQKVRP<br>NEENNKDADLYTSRVMLSSQ VLEPPLFLLEEYKNYLDANMMSMRVRRHSDPARRGELS<br>VCDSISEWVTAADKKTAVDM SGGTVTVLEKVPVSKGQLKQ YFYETKCNPMGYTKEGCRGI<br>DKRHWNSQCRRTTQSYVRALT MDSKKRIGWRFIRIDTSCVC TLTIKRGR |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 20-247 of human BDNF (P23560).                                                                                                                                           |

### ADDITIONAL INFORMATION

|      |                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------|
| Note | STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS. |
|------|-------------------------------------------------------------------------------------------------------------------------|



Western blot analysis of various lysates using BDNF Mouse monoclonal antibody (STJ11100099) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.