



## GSK3 $\beta$ Mouse Monoclonal Antibody (4D2)

Cat #: ABM40289

Size: 30 $\mu$ l /100 $\mu$ l /200 $\mu$ l

### Product Information

|   |  |   |   |
|---|--|---|---|
|   | <b>Product Name:</b> GSK3 $\beta$ Mouse Monoclonal Antibody (4D2)    |   |   |
|   | <b>Applications:</b> WB, IHC-P                                       |   | <b>Isotype:</b> Mouse IgG1                |
|   | <b>Reactivity:</b> Human, Mouse, Rat                                 |   |   |
| <b>REF</b>  | <b>Catalog Number:</b> ABM40289                                      | <b>LOT</b>  | <b>Lot Number:</b> Refer to product label |
|   | <b>Formulation:</b> Liquid   |   | <b>Concentration:</b> 1 mg/ml             |
|  | <b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles. |  | <b>Note:</b> Contain sodium azide.        |

**Background:** The protein encoded by GSK3B (glycogen synthase kinase 3 beta) is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in GSK3B have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of GSK3B may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for GSK3B.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IHC-P (1:100-1:200).

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

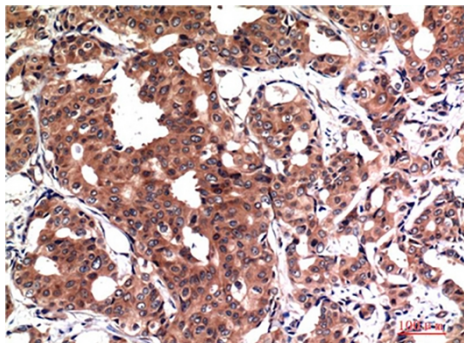


Fig.1. Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using GSK3 $\beta$  Mouse mAb diluted at 1:200.

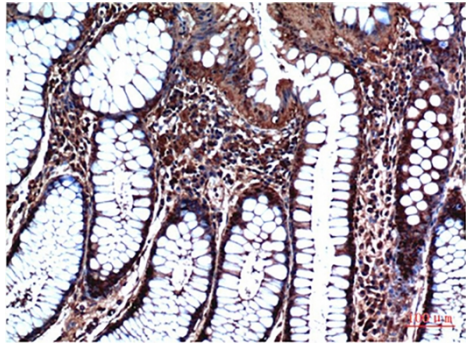


Fig.2. Immunohistochemical analysis of paraffin-embedded Human Stomach Carcinoma Tissue using GSK3 $\beta$  Mouse mAb diluted at 1:200.

**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.