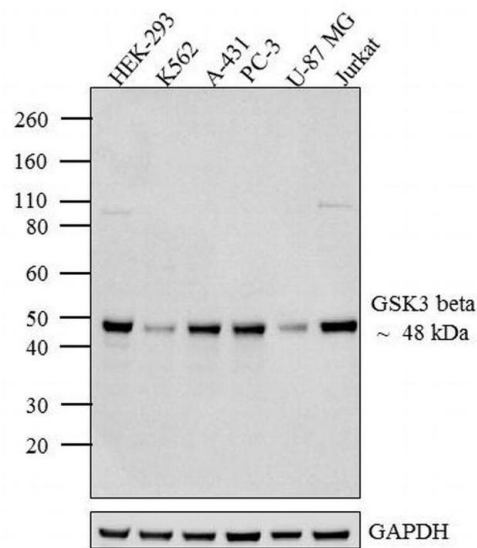


# GSK3B Monoclonal Antibody (ZG004)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	ZG004
Conjugate	Unconjugated
Immunogen	Human GSK3 beta
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533442

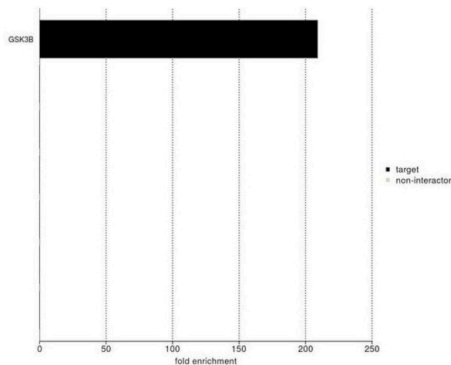
Applications	Tested Dilution	Publications
Western Blot (WB)	1:250	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Immunocytochemistry (ICC/IF)	-	1 Publication
ELISA (ELISA)	Assay-dependent	-

Product Images For GSK3B Monoclonal Antibody (ZG004)



GSK3B Antibody (39-9500) in WB

Western blot analysis was performed on whole cell extracts (20 µg lysate) of HEK-293 (lane 1), K562 (lane 2), A-431 (lane 3), PC-3 (lane 4), U-87 MG (lane 5) and Jurkat (lane 6). The blots were probed with Anti-GSK3 Beta Mouse Monoclonal Antibody (Product # 39-9500, 1:250 dilution) and detected by chemiluminescence Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 48 kDa band corresponding to GSK3 Beta was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

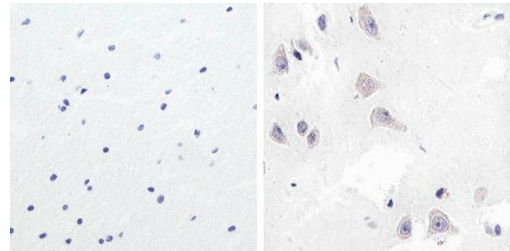


GSK3B Antibody (39-9500)

IP-MS enrichment of GSK3B (LFQ intensity): GSK3B was enriched 209-fold from MCF7 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and GSK3B antibody (Product # 39-9500). See more information on IP-MS verification of antibody selectivity. {IP-MS}

GSK3B Antibody (39-9500) in IHC (P)

Immunohistochemistry analysis of GSK3 Beta showing staining in the cytoplasm of paraffin-embedded human brain tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a GSK3 Beta Mouse Monoclonal Antibody (clone ZG004) (Product # 39-9500) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



View more figures on [thermofisher.com](https://thermofisher.com)

Western Blot (2)

<p>Advances in clinical and experimental medicine : official organ Wroclaw Medical University</p> <p><b>MYBL2 in synergy with CDC20 promotes the proliferation and inhibits apoptosis of gastric cancer cells.</b></p> <p>"39-9500 was used in Western Blot to examine the role of myeloblastosis viral oncogene homolog-like 2 (MYBL2) in gastric cancer progression and investigate the underlying mechanisms."</p> <p>Authors: Deng Q,Wu L,Li Y,Zou L</p>	<p><b>Year</b> 2021</p> <p><b>Species</b> Human</p> <p><b>Dilution</b> 1:1000</p>
<p>The Journal of neuroscience : the official journal of the Society for Neuroscience</p> <p><b>Interruption of beta-catenin signaling reduces neurogenesis in Alzheimer's disease.</b></p> <p>Authors: He P,Shen Y</p>	<p><b>Year</b> 2009</p> <p><b>Species</b> Human Mouse</p> <p><b>Dilution</b> 1:5,000 1:5,000</p>

Immunocytochemistry (1)

<p>The Journal of neuroscience : the official journal of the Society for Neuroscience</p> <p><b>Interruption of beta-catenin signaling reduces neurogenesis in Alzheimer's disease.</b></p> <p>Authors: He P,Shen Y</p>	<p><b>Year</b> 2009</p> <p><b>Species</b> Human Mouse</p> <p><b>Dilution</b> 1:5,000 1:5,000</p>
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