

# Product Datasheet

## GSK3 Antibody Pack NBP3-20210

Unit Size: 8 Vials

Storage is content dependent.

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**NBP3-20210****GSK3 Antibody Pack**

<b>Product Information</b>	
<b>Unit Size</b>	8 Vials
<b>Concentration</b>	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
<b>Storage</b>	Storage is content dependent.
<b>Product Description</b>	
<b>Description</b>	This pack contains 1 vial each of: AF2157-SP (25 ug), AF2157-SP (25 ug), AF4125-SP (25 ug), MAB25062-SP (25 ug), AF1590-SP (25 ug), MAB2506-SP (1 mL), HAF008 (1 mL), HAF007 (1 mL).
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Antibodies in this pack are validated for use in the following species: AF2157: Human, Mouse, Rat AF4125: Human, Mouse, Rat MAB25062: Human AF1590: Human, Mouse, Rat MAB2506: Human, Mouse, Rat HAF008: Rabbit HAF007: Mouse HAF005: Rat
<b>Immunogen</b>	See individual datasheets.
<b>Kit Components</b>	AF2157-SP, AF4125-SP, MAB25062-SP, AF1590-SP, MAB2506-SP, HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP], HAF007: Goat anti-Mouse IgG Secondary Antibody [HRP], HAF005: Goat anti-Rat IgG Secondary Antibody [HRP]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, CyTOF-ready, Intracellular Staining by Flow Cytometry
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Intracellular Staining by Flow Cytometry, CyTOF-ready
<b>Application Notes</b>	Antibodies in this pack are validated for the following applications: AF2157: CyTOF-ready, Immunocytochemistry, Intracellular Staining by Flow Cytometry, Western Blot AF4125: Immunohistochemistry, Western Blot MAB25062: CyTOF-ready, Immunocytochemistry, Intracellular Staining by Flow Cytometry, Western Blot AF1590: CyTOF-ready, Immunocytochemistry, Intracellular Staining by Flow Cytometry, Western Blot MAB2506: CyTOF-ready, Immunocytochemistry, Intracellular Staining by Flow Cytometry, Western Blot HAF008: Immunohistochemistry, Western Blot HAF007: Immunohistochemistry, Western Blot HAF005: ELISA, Immunohistochemistry, Simple Western, Western Blot



## Images

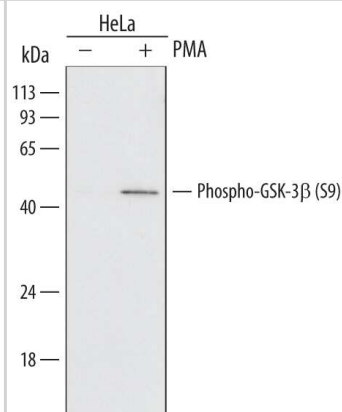
Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, HT-29 human colon adenocarcinoma cell line, MDA-MB-468 and MCF-7 human breast cancer cell line. PVDF membrane was probed with 0.1 µg/mL of Rabbit Anti-Human/Mouse/ Rat GSK-3α/ beta Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2157) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands were detected for GSK-3α/ beta at approximately 46 and 51 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 200 nM PMA for 20 minutes and MCF-7 human breast cancer cell line untreated or treated with 100 ng/mL Recombinant Human IGF-1 (Catalog # 291-G1) for 15 minutes and NIH-3T3 mouse embryonic fibroblast cell line untreated or treated with 10 ng/mL PMA for 20 minutes. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat Phospho-GSK-3α (S21) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4125), followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Phospho-GSK-3α (S21) at approximately 51 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



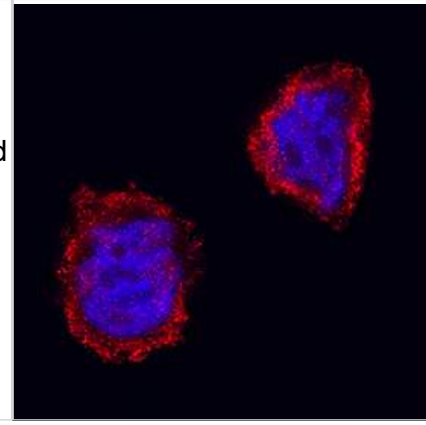
Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 200 nM PMA for 20 minutes. PVDF Membrane was probed with 1 µg/mL of Human Phospho-GSK-3 beta (S9) Monoclonal Antibody (Catalog # MAB25062) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Phospho-GSK-3 beta (S9) at approximately 46 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 200 nM PMA for 20 minutes and MCF-7 human breast cancer cell line untreated or treated with 100 ng/mL Recombinant Human IGF-1 (Catalog # 291-G1) for 15 minutes. PVDF membrane was probed with 0.2 µg/mL of Human/Mouse/Rat Phospho-GSK-3α/ beta (S21/S9) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1590), followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands were detected for Phospho-GSK-3α (S21) and GSK-3 beta (S9) at approximately 51 and 46 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



GSK-3 beta was detected in immersion fixed HT-29 human colon adenocarcinoma cell line using Rat Anti-Human/Mouse/Rat GSK-3 beta Monoclonal Antibody (Catalog # MAB2506) at 3  $\mu\text{g}/\text{mL}$  for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). Specific staining was localized to nuclei and cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Antibody Packs are guaranteed for 1 year from date of receipt.

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