

GSK3beta Antibody

CAB2081

Description

This GSK3beta Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB2081
Contents: 20 μ L, 100 μ L
Bradford Reagent: 1 vial (2ml)
Category: Polyclonal Antibody
Synonyms: GSK3B, gsk-3 β , GSK3 β
Clone: -
Applications: **WB** | **IHC-P** | **IF/ICC** | **IP** | **ELISA**
Conjugation: Unconjugated
Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 2932
Uniprot: AB_2764101
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 46kDa
Calculated MW: 47kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

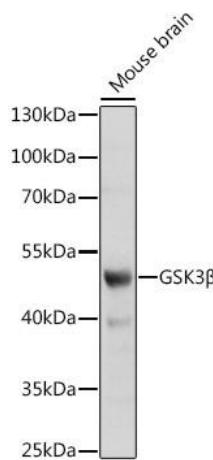
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: Mouse brain

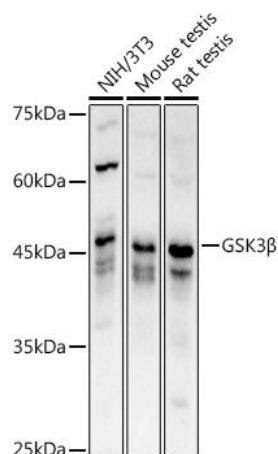
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|-------------------------------|--|-----------|----------------|--------------|--------------|---------------|--------------|-----------|--|--------------|---|
| Recommended Dilutions: | <table border="1"> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> <tr> <td>IHC-P</td><td>1:50 - 1:200</td></tr> <tr> <td>IF/ICC</td><td>1:50 - 1:200</td></tr> <tr> <td>IP</td><td>0.5µg-4µg antibody for 200µg-400µg extracts of whole cells</td></tr> <tr> <td>ELISA</td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table> | WB | 1:500 - 1:2000 | IHC-P | 1:50 - 1:200 | IF/ICC | 1:50 - 1:200 | IP | 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells | ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| WB | 1:500 - 1:2000 | | | | | | | | | | |
| IHC-P | 1:50 - 1:200 | | | | | | | | | | |
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| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. | | | | | | | | | | |

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

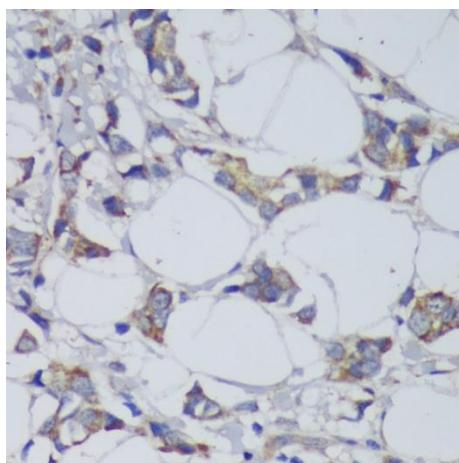
Validation Data



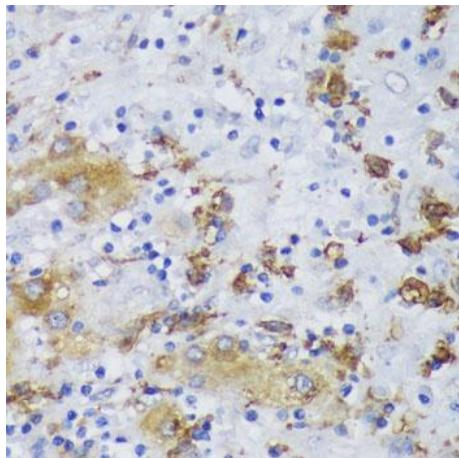
Western blot analysis of lysates from mouse brain, using GSK3 β Rabbit pAb (CAB2081) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



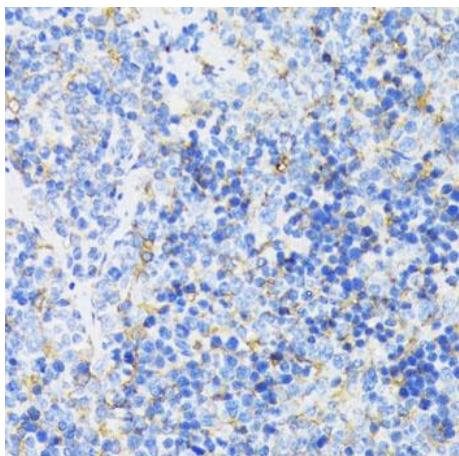
Western blot analysis of various lysates using GSK3 β Rabbit pAb (CAB2081) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



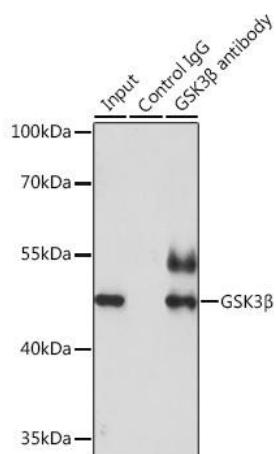
Immunohistochemistry analysis of paraffin-embedded Human mammary cancer using GSK3 β Rabbit pAb (CAB2081) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using GSK3 β Rabbit pAb (CAB2081) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using GSK3 β Rabbit pAb (CAB2081) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunoprecipitation analysis of 200 μ g extracts of HeLa cells using 3 μ g GSK3 β antibody (CAB2081). Western blot was performed from the immunoprecipitate using GSK3 β antibody (CAB2081) at a dilution of 1:1000.