

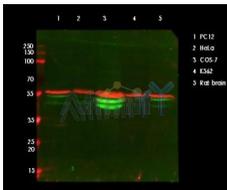
GSK3 alpha/beta Ab

Cat.#: AF6335
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 51,46kDa
Clonality: Polyclonal

| | |
|-------------------------------|---|
| Application: | WB 1:500-1:2000 IHC 1:50-1:200 |
| Reactivity: | Human,Mouse,Rat,Monkey |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |
| Specificity: | GSK3 alpha/beta Ab detects endogenous levels of total GSK3 alpha/beta. |
| Immunogen: | A synthesized peptide derived from human GSK3 alpha/beta. |
| Uniprot: | P49840 |
| Description: | GSK3A a proline-directed protein kinase of the GSK family. Implicated in the control of several regulatory proteins including glycogen synthase, Myb, and c-Jun. GSK3 and GSK3 have similar functions. GSK3 phosphorylates tau, the principal component of neurofibrillary tangles in Alzheimer disease and is required for maximal production of amyloid plaque peptides by secretase. |
| Subcellular Location: | Cytoplasmic and Nuclear |
| Similarity: | Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. GSK-3 subfamily. |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |

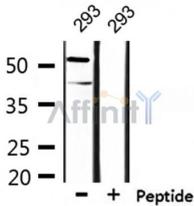


Western blot analysis of GSK3 alpha/beta using various lysates Lanes 1 - 2: Merged signal (red and green). Green - AF6335 observed at 51,46kDa. Red - loading control, T0023, observed at 55 kDa. Blots were developed with Goat Anti-Rabbit IgG(H+L) FITC-conjugated (S0008) and Goat Anti-Mouse IgG(H+L) Alexa Fluor 594-conjugated (S0005) secondary antibodies

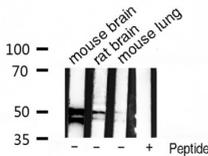


Western blot analysis of extracts from various samples, using GSK3 alpha/beta Ab.

- Lane 1: 3T3 treated with blocking peptide;
- Lane 2: 3T3;
- Lane 3: COS-7;
- Lane 4: MCF7.

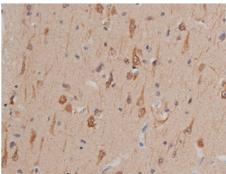


Western blot analysis of extracts from 293, using GSK3 alpha/beta Ab.

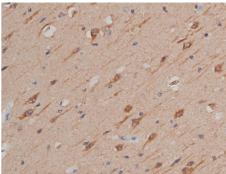


Western blot analysis of extracts from various samples, using GSK3 alpha/beta Ab.

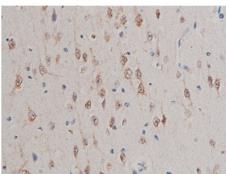
- lane1: mouse brain,
- lane2: rat brain,
- lane3: mouse lung,
- lane4: mouse lung with blocking peptide.



AF6335 at 1/50 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



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IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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