

## Rabbit GSK3alpha Polyclonal Antibody | anti-GSK3alpha antibody

[KO Validated] GSK3alpha Rabbit pAb

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA281984</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

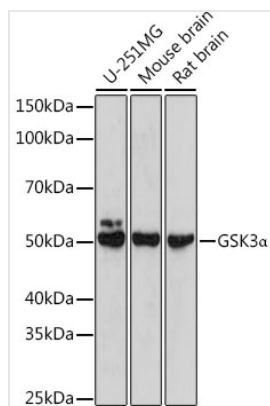
### PRODUCT SYNONYMS

GSK3alpha; Polyclonal Antibody; [KO Validated] GSK3alpha Rabbit pAb; GSK3A; glycogen synthase kinase-3 alpha; anti-GSK3alpha antibody

### PRODUCT SPECIFICATIONS

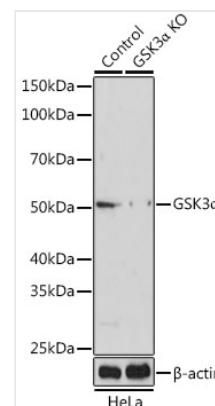
|                                                     |                                                   |
|-----------------------------------------------------|---------------------------------------------------|
| Host                                                | Rabbit                                            |
| Reactivity                                          | Human, Mouse, Rat                                 |
| Clonality                                           | Polyclonal                                        |
| Isotype                                             | IgG                                               |
| Purity/Purification                                 | Affinity purification                             |
| Form/Format                                         | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Applicable Applications for anti-GSK3alpha antibody | WB (Western Blot)                                 |
| Immunogen                                           | Recombinant protein of human GSK3alpha.           |
| Positive Samples                                    | HeLa, U-251MG, Mouse brain, Rat brain             |
| Preparation and Storage                             | Store at -20 degree C. Avoid freeze/thaw cycles.  |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GSK3 $\alpha$  antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



#### WB (Western Blot)

Western blot analysis of extracts from normal (control) and GSK3 $\alpha$  knockout (KO) HeLa cells, using GSK3 $\alpha$  antibody (18655) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GSK3alpha antibody | Background: This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease. |
| Product Categories/Family for anti-GSK3alpha antibody   | Epigenetics & Nuclear Signaling; Translation Control; Regulation of eIF4 and p70 S6 Kinase; Research; Protein phosphorylation; Research; Signal Transduction; Kinase; Serine/threonine kinases; Research; Signal Transduction; mTOR Signaling Pathway; Research                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NCBI GI #                        | 49574532                                                                             |
| NCBI GeneID                      | 2931                                                                                 |
| NCBI Accession #                 | NP_063937.2                                                                          |
| NCBI GenBank Nucleotide #        | NM_019884.2                                                                          |
| UniProt Accession #              | P49840; O14959                                                                       |
| Molecular Weight                 | 50,981 Da                                                                            |
| NCBI Official Full Name          | glycogen synthase kinase-3 alpha                                                     |
| NCBI Official Synonym Full Names | glycogen synthase kinase 3 alpha                                                     |
| NCBI Official Symbol             | GSK3A                                                                                |
| NCBI Protein Information         | glycogen synthase kinase-3 alpha; GSK-3 alpha; serine/threonine-protein kinase GSK3A |
| UniProt Protein Name             | Glycogen synthase kinase-3 alpha                                                     |
| UniProt Gene Name                | GSK3A                                                                                |
| UniProt Synonym Gene Names       | GSK-3 alpha                                                                          |
| UniProt Entry Name               | GSK3A_HUMAN                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/gsk3alpha-antibody-western-blot-elisa/281984>