# **GSK3α Rabbit pAb**

Catalog No.: A0645 2 Publications



## **Basic Information**

#### **Observed MW**

51kDa

### **Calculated MW**

51kDa

#### Category

Primary antibody

## **Applications**

WB,IF/ICC,ELISA

#### **Cross-Reactivity**

Human, Mouse

## **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.

## **Recommended Dilutions**

**WB** 1:500 - 1:1000

**IF/ICC** 1:20 - 1:100

**ELISA** Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

**Gene ID**2931

Swiss Prot
P49840

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

GSK3 alpha; GSK3A; GSK3α

## **Contact**

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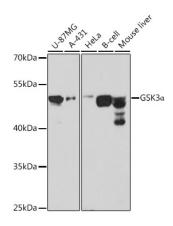
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### 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.

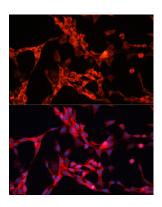


Western blot analysis of various lysates using GSK3 $\alpha$  Rabbit pAb (A0645) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunofluorescence analysis of NIH/3T3 cells using GSK3 $\alpha$  Rabbit pAb (A0645) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.