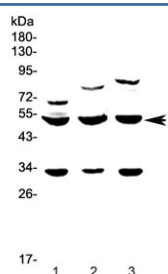


## GSK3 alpha Antibody / GSK3A (RQ4122)

Catalog No.	Formulation	Size
RQ4122	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Predicted Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P49840
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This GSK3 alpha antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat testis and 3) mouse testis lysate with GSK3 alpha antibody at 0.5ug/ml. Predicted molecular weight ~51 kDa.

## Description

Glycogen synthase kinase-3 alpha is an enzyme that in humans is encoded by the GSK3A gene. 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.

## Application Notes

Optimal dilution of the GSK3 alpha antibody should be determined by the researcher.

## Immunogen

Amino acids QEVAYTDIKVIGNSGFGVVYQARLAETRELVAIKKVLQDKR from the human protein were used as the immunogen for the GSK3 alpha antibody.

## Storage

After reconstitution, the GSK3 alpha antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.