

Anti-GSK3A Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 54 kDa. Actual: 54 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Cerebrum (Mouse) Lysate at 40 µg Primary: Anti-GSK3 alpha (TMAB-06816) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD
	2. Sample: k562 (Human) Cell Lysate at 40 µg Primary: Anti-GSK3 alpha (TMAB-06816) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD
	3. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30 min; Antibody incubation with (GSK3 alpha) Polyclonal Antibody, Unconjugated (TMAB-06816) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.
	4. Sample: Raji Cell (Human) Lysate at 30 µg Primary: Anti-GSK3 alpha (TMAB-06816) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GSK3A
Antigen Species: Human
Gene ID: 2931
Uniprot ID: P49840

Research 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. [provided by RefSeq, Oct 2011]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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