

## Anti-GSK3 beta Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P013542

### Product Information

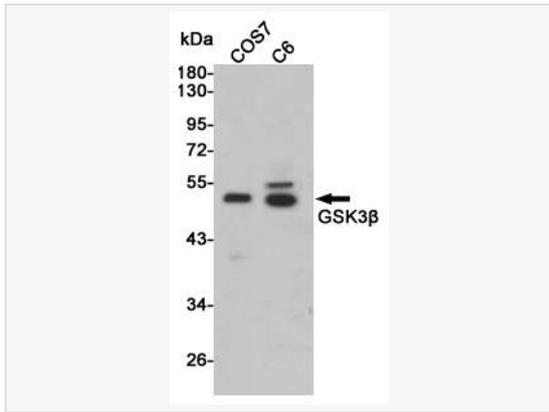
Application	ICC/IF (Cell), WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20; ELISA 1:10,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	The antiserum was produced against synthesized peptide derived from human GSK3B.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GSK3 beta antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	GSK3B, Glycogen synthase kinase-3 beta, GSK-3 beta, Serine/threonine-protein kinase GSK3B.
Calculated MW	Calculated MW: 47 kDa; Observed MW: 47 kDa
Uniprot ID	P49841
Gene ID	2932
Background	Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. In skeletal muscle, it contributes to insulin regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis.

## Validation Images

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Western blot analysis of GSK3beta in COS7 and C6 lysates using GSK3beta antibody.