

Product Datasheet

GSK3 beta Antibody

Catalog No: CY2434

Reactivity: Human, Mouse

Isotype: Rabbit IgG

Applications: WB, IHC, ICC/IF



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Information

UniProt ID: P49841

All Names: glycogen synthase kinase 3 beta; Glycogen synthase kinase-3 beta; GSK-3 beta; GSK3B; GSK3 beta isoform;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 46 kDa

Application

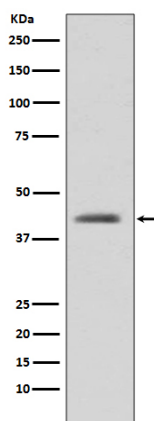
WB: 1:1000~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

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. Researches showed that the crystal structure of human GSK3B, expressed in insect cells, at 2.8-angstrom resolution. This antibody recognize the C-terminal of GSK3B.



Western blot analysis of GSK3 beta expression in HEK293 cell lysate.

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