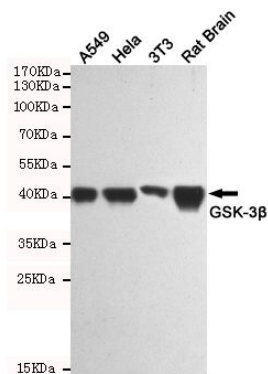


**GSK3 β** **Mouse monoclonal Antibody****#53548****Catalog Number:** 53548**Amount:** 100 μ g/100 μ l**Swiss-Prot No. :** P49841**Gene name:** gsk3beta**Gene id:** 2932**Clone Number:** 2E6-D6-C12**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human GSK3 β protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of GSK3 β and does not cross-react with related proteins**Reactivity:** Human, Mouse**Applications:** Predicted MW: 46kd WB: 1:1000 ICC:1:200

Western blot analysis of extracts from A549, HeLa, 3T3 and Rat Brain cell lysates using GSK-3 β mouse mAb(1:1000 diluted). Predicted band size: 46kDa. Observed band size: 46kDa.

Background:

The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation.

Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease.

Alternatively spliced transcript variants encoding different isoforms have been found for this gene.