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Anti-GSK3α Rabbit mAb [85C46]

Catalog No.: A52139

Basic Information

Catalog No. (Cat.No.)	A52139
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	GSK3α,GSK-3α,GSK-3alpha,glycogen synthase kinase 3 alpha,GSK3A

Product Information

Target	GSK3α
Molecular Weight(Calculated)	51 kDa
Molecular Weight(Observed)	51 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	85C46
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Glycogen synthase kinase-3 alpha
Gene Name	*GSK3A*
Domain	NA
Background	GSK3α (Glycogen Synthase Kinase 3α) is a key kinase of the serine/threonine kinase family, widely expressed in human tissue cells. It coregulates glucose metabolism, cell proliferation and differentiation, apoptosis, inflammatory response and tumor signaling pathways. By phosphorylating multiple downstream substrate proteins, GSK3α regulates glycogen synthesis, cell cycle progression, inflammatory factor expression and stem cell homeostasis. Sustained abnormal activation of GSK3α disrupts glucose metabolic balance, promotes inflammatory pathway activation, abnormal cell proliferation and apoptosis resistance, and drives the progression of diabetes, neurodegenerative diseases, tumors and other diseases. Functional inhibition of GSK3α alleviates pathological damage and inhibits malignant tumor proliferation.