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[KO Validated] GSK3β Rabbit pAb

Catalog No.: A3174 KO Validated 1 Publications

Basic Information

Observed MW
46kDa

Calculated MW
47kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human, Rat

Background

The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
2932

Swiss Prot
P49841

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 320-420 of human GSK3β (NP_001139628.1).

Synonyms
GSK3B; gsk-3β; 3β

Contact

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Product Information

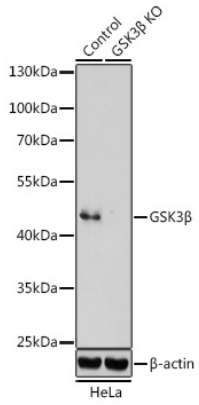
Source
Rabbit

Isotype
IgG

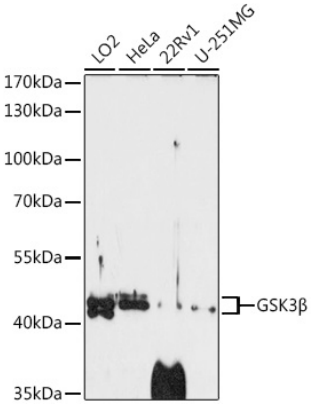
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts from normal (control) and GSK3β knockout (KO) HeLa cells, using GSK3β antibody (A3174) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Western blot analysis of extracts of various cell lines, using GSK3β antibody (A3174) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.