

Rabbit anti-Human GSK3alpha Monoclonal Antibody | anti-GSK3A antibody

[KO Validated] GSK3alpha Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282667	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

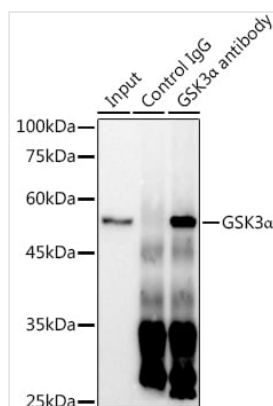
PRODUCT SYNONYMS

GSK3alpha; Monoclonal Antibody; [KO Validated] GSK3alpha Rabbit mAb; GSK3 alpha; GSK3A; 3alpha; anti-GSK3A antibody

PRODUCT SPECIFICATIONS

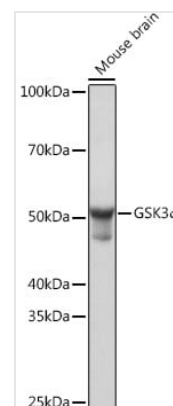
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MSGGGPSGGG PGGSGRARTS SFAEPGGGGG GGGGGPGGSA SGPGGTGGGK ASVGAMGGGV GASSSGGGPG GSGGGGSGGP GAGTSFPPPG VKLGRDSGKV
Applicable Applications for anti-GSK3A antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human GSK3alpha (P49840).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



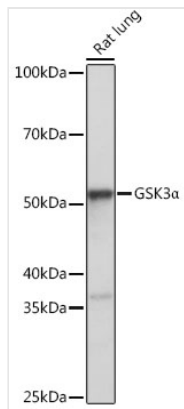
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of HeLa cells using 3 ug GSK3? antibody (AAA282667). Western blot was performed from the immunoprecipitate using GSK3? antibody (AAA282667) at a dilution of 1:1000.



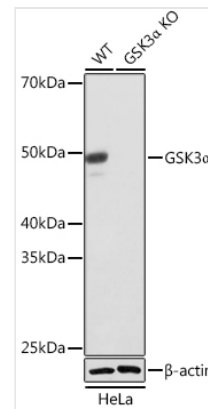
WB (Western Blot)

Western blot analysis of lysates from Mouse brain, using [KO Validated] GSK3? Rabbit mAb (AAA282667) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



WB (Western Blot)

Western blot analysis of lysates from Rat lung, using [KO Validated] GSK3? Rabbit mAb (AAA282667) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and GSK3? knockout (KO) HeLa cells, using [KO Validated] GSK3? Rabbit mAb (AAA282667) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-GSK3A antibody	This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease.
Product Categories/Family for anti-GSK3A antibody	Epigenetics Nuclear Signaling ; Translation Control ; Regulation of eIF4 and p70 S6 Kinase ; Protein phosphorylation ; Signal Transduction ; Kinase ; Serine threonine kinases ; PI3K-Akt Signaling Pathway ; mTOR Signaling Pathway ; ErbB-HER Signaling Pathway ; MAPK-

NCBI AND UNIPROT INFORMATION

NCBI GI #	49574532
NCBI GeneID	2931
NCBI Accession #	NP_063937.2
NCBI GenBank Nucleotide #	NM_019884.2
UniProt Accession #	P49840 ; O14959
Molecular Weight	Calculated MW: 51kDa Observed MW: 51kDa
UniProt Protein Name	Glycogen synthase kinase-3 alpha
UniProt Gene Name	GSK3A
UniProt Synonym Gene Names	GSK-3 alpha
UniProt Entry Name	GSK3A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gsk3alpha-antibody-immunoprecipitation-western-blot-elisa/282667>