

Rabbit GSK3alpha Polyclonal Antibody | anti-GSK3alpha antibody

GSK3alpha (Phospho-Ser21)

CATALOG # AAA47791	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GSK3alpha; Polyclonal Antibody; GSK3alpha (Phospho-Ser21); anti-GSK3alpha antibody

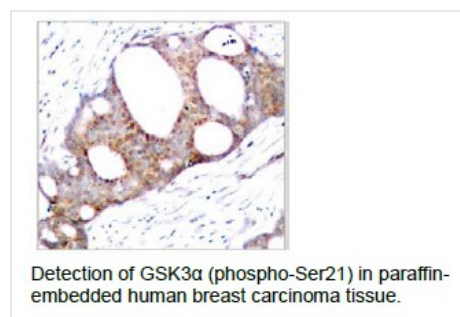
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody detects endogenous human, mouse, and rat GSK3alpha only when phosphorylated at serine 21 and does not detect GSK3beta phosphorylated at Ser9.
Form/Format	100ul at 1.0mg/ml in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide- reactive antibodies were removed by chromatography on non-phosphorylated peptide.
Sequence Length	483
Applicable Applications for anti-GSK3alpha antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antigen	Peptide sequence that includes phosphorylation site of serine 21 (T-S-S(p)-F-A) derived from human GSK3alpha and conjugated to KLH.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Can be stored at 4 degree C for short-term.

IMAGES



Application Data



IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-GSK3alpha antibody

GSK3 acts as a multifunctional downstream switch that determines the output of numerous signaling pathways. There are two mammalian GSK-3 isoforms encoded by distinct genes, GSK3 alpha and GSK3 beta, which are structurally similar, but functionally non-identical. GSK3alpha is inhibited by phosphorylation at S21 by Akt and other kinases. Dysregulated GSK3 has been implicated in several diseases including type II diabetes, Alzheimers disease, and cancer.

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	50,981 Da
NCBI Official Full Name	glycogen synthase kinase-3 alpha
NCBI Official Synonym Full Names	glycogen synthase kinase 3 alpha
NCBI Official Symbol	GSK3A
NCBI Protein Information	glycogen synthase kinase-3 alpha
UniProt Protein Name	Glycogen synthase kinase-3 alpha
UniProt Gene Name	GSK3A
UniProt Synonym Gene Names	GSK-3 alpha

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/polyclonal/gsk3alpha-antibody-immunohistochemistry-western-blot-elisa/47791>