

Rabbit GSK3alpha Polyclonal Antibody | anti-GSK3alpha antibody

GSK3alpha (Phospho-Ser21) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304955	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

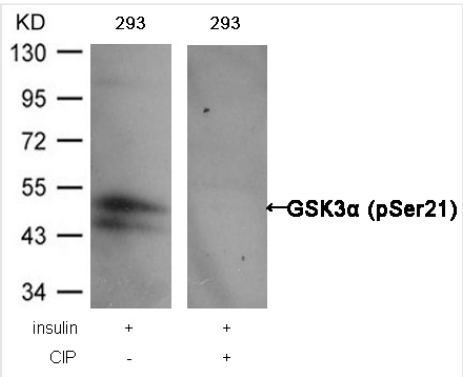
PRODUCT SYNONYMS

GSK3alpha; Polyclonal Antibody; GSK3alpha (Phospho-Ser21) Antibody; GSK3a (Phospho-Ser21) Antibody; Factor A; GSK-3 alpha; kinase GSK3-alpha; anti-GSK3alpha antibody

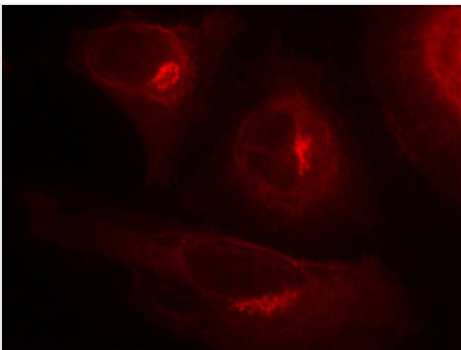
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of GSK3a only when phosphorylated at serine 21 and does not detect GSK-3b when phosphorylated at Ser9.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	483
Applicable Applications for anti-GSK3alpha antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 21 (T-S-S(p)-F-A) derived from Human GSK3a.
Modification	Phospho-Ser21
Target Name	GSK3a
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

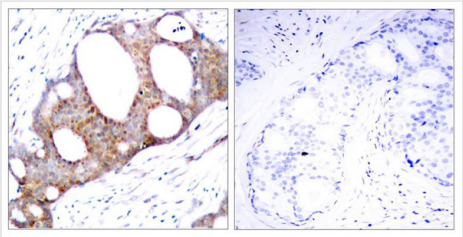
IMAGES



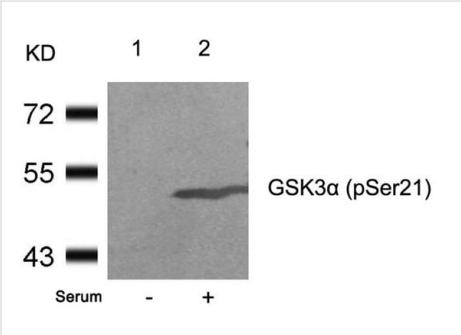
WB (Western Blot)
Western blot analysis of extracts from 293 cells, treated with insulin or calf intestinal phosphatase (CIP), using GSK3α (Phospho-Ser21) Antibody.



IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic staining using GSK3α (Phospho-Ser21) Antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GSK3α (Phospho-Ser21) Antibody (left) or the same antibody preincubated with blocking peptide (right).



WB (Western Blot)
Western blot analysis of extracts from 293 cells untreated (lane 1) or treated with serum (lane 2) using GSK3α (Phospho-Ser21) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GSK3α antibody	Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN.
Product Categories/Family for anti-GSK3α antibody	Phospho-specific Ab

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
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/polyclonal/gsk3alpha-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304955>