

GSK3-beta recombinant antibody

Rabbit anti-GSK3-beta Recombinant Monoclonal Antibody [BLR223K]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213647	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

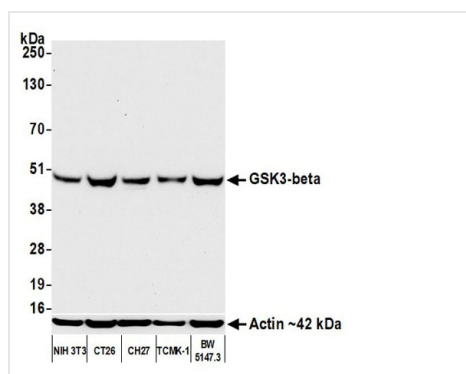
PRODUCT SYNONYMS

GSK3-beta; Monoclonal Recombinant Antibody; Rabbit anti-GSK3-beta Recombinant Monoclonal Antibody [BLR223K]; serine/threonine-protein kinase GSK3B; glycogen synthase kinase-3 beta; GSK-3 beta; GSK3beta isoform; Glycogen synthase kinase-3 beta; glycogen synthase kinase 3 beta; GSK3-beta recombinant antibody

PRODUCT SPECIFICATIONS

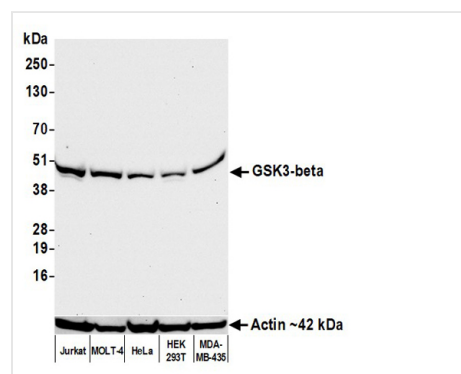
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR223K
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	400ug/ml (varies by lot)
Applicable Applications for GSK3-beta recombinant antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 370 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



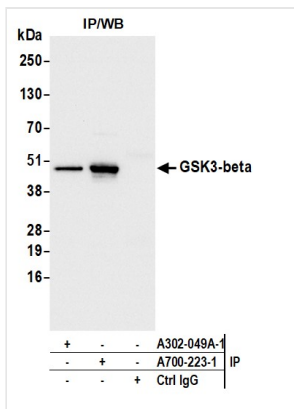
WB (Western Blot)

Detection of mouse GSK3-beta by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-GSK3-beta recombinant monoclonal antibody (AAA213647 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody.



WB (Western Blot)

Detection of human GSK3-beta by western blot. Samples: Whole cell lysate (50 ug) from Jurkat, MOLT-4, HeLa, HEK293T, and MDA-MB-435 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-GSK3-beta recombinant monoclonal antibody (AAA213647 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody.



IP (Immunoprecipitation)
 Detection of human GSK3-beta by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-GSK3-beta recombinant monoclonal antibody (AAA213647 lot 1) used for IP at 15 uL/mg lysate. GSK3-beta was also immunoprecipitated by a second antibody against a different epitope of GSK3-beta. For blotting immunoprecipitated GSK3-beta, AAA213647 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 1 second.

ADDITIONAL INFORMATION

Related Product Information for GSK3-beta recombinant antibody	Glycogen synthase kinase 3 beta (GSK3beta) is a proline-directed serine-threonine kinase identified as a kinase responsible for the phosphorylation and inactivation of glycogen synthase. GSK3beta is a critical component of the Wnt/beta-catenin signaling pathway, and its activity results in the inhibition of Wnt signaling by mediating the degradation of beta-catenin. In addition to the Wnt-signaling pathway, GSK3beta is also involved in the Hedgehog, Notch and insulin signaling pathways.
Product Categories/Family for GSK3-beta recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361340
NCBI GeneID	2932
NCBI Accession #	NP_002084.2
NCBI GenBank Nucleotide #	NM_002093.3
UniProt Accession #	P49841; Q9BWH3; Q9UL47; D3DN89
Molecular Weight	48,034 Da
NCBI Official Full Name	glycogen synthase kinase-3 beta isoform 1
NCBI Official Synonym Full Names	glycogen synthase kinase 3 beta
NCBI Official Symbol	GSK3B
NCBI Protein Information	glycogen synthase kinase-3 beta
UniProt Protein Name	Glycogen synthase kinase-3 beta
UniProt Gene Name	GSK3B
UniProt Synonym Gene Names	GSK-3 beta
UniProt Entry Name	GSK3B_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.

