

Anti-GSK3 beta Rabbit Monoclonal Antibody

Catalog Number: M00791

About GSK3B

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

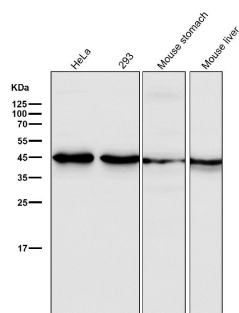
Product Name	Anti-GSK3 beta Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-GSK3 beta Rabbit Monoclonal Antibody catalog # M00791. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal EB-7
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P49841

Technical Details

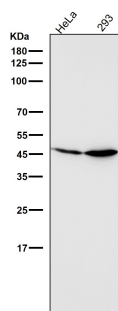
Immunogen	A synthesized peptide derived from human GSK3 beta
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:3000 IHC 1:50-1:200 ICC/IF 1:100-1:500 FC 1:200-1:500
--	---

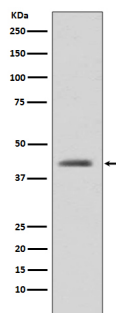
Anti-GSK3 beta Rabbit Monoclonal Antibody (M00791) Images



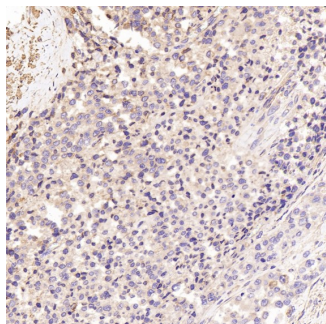
All lanes use the Antibody at 1:4K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

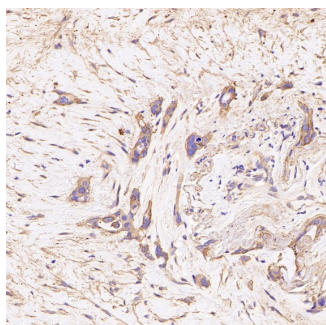
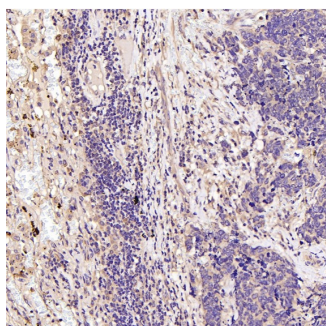


Western blot analysis of GSK3 beta expression in HEK293 cell lysate.

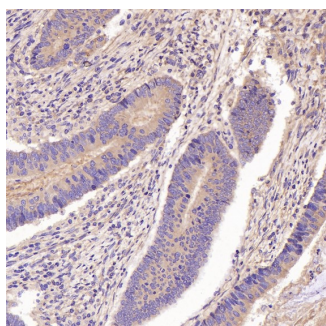


Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:100 dilution.

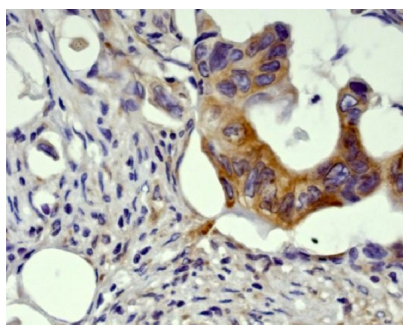
Immunohistochemical analysis of paraffin-embedded Human small cell lung cancer, using the Antibody at 1:100 dilution.



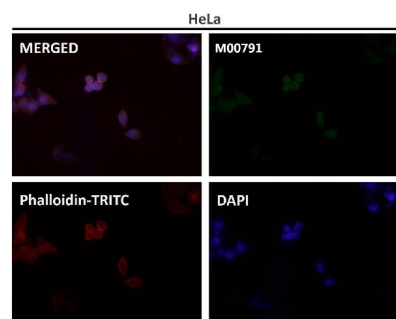
Immunohistochemical analysis of paraffin-embedded Human pancreatic cancer, using the Antibody at 1:400 dilution.



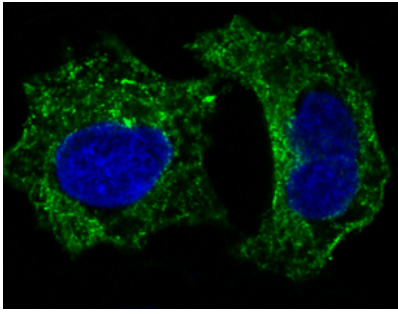
Immunohistochemical analysis of paraffin-embedded Human colon cancer, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using GSK3 beta Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis of HeLa cells, using GSK3 beta Antibody .

2 Publications Citing This Product

1. PubMed ID: 33069797, Shi R,Liu L,Wang F,He Y,Niu Y,Wang C,Zhang X,Zhang X,Zhang H,Chen M,Wang Y.Downregulation of cytokeratin 18 induces cellular partial EMT and stemness through increasing EpCAM expression in breast cancer.Cell Signal.2020 Dec;76:109810.doi:10.1016/j.cellsig
2. PubMed ID: 30169428, GSK%u2013beta may be involved in hippocampal mossy fiber sprouting in the pentylentetrazole%u2013kindling model

Visit bosterbio.com/anti-gsk3-beta-rabbit-monoclonal-antibody-m00791-boster.html to see all 2 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-GSK3 beta Rabbit Monoclonal Antibody