

Product datasheet

Anti-GSK3 beta antibody [1F7] ab45760

1 图像

概述

产品名称	Anti-GSK3 beta抗体[1F7]
描述	小鼠单克隆抗体[1F7] to GSK3 beta
宿主	Mouse
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human 预测可用于: Rat, Cow, Dog, Chimpanzee
免疫原	Recombinant fragment: DELRDPNVKL PNGRDTPAL F NFFTQELS SN PPLATIL IPP HARIQA AAST PTNAT AASDA NTGD RGQTNN AAS ASASNST , corresponding to amino acids 341-420 of Human GSK3 beta Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	HeLa cell lysates.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
纯度	Protein G purified
纯化说明	ab45760 was purified from mouse ascitic fluids.
克隆	单克隆
克隆编号	1F7
骨髓瘤	Sp2/0
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab45760** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		Use at an assay dependent dilution.
WB		1/1000 - 1/2000. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).

靶标

功能

Participates in the Wnt signaling pathway. Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN. Phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. Phosphorylates MUC1 in breast cancer cells, and decreases the interaction of MUC1 with CTNNB1/beta-catenin. Phosphorylates CTNNB1/beta-catenin. Phosphorylates SNAI1. Plays an important role in ERBB2-dependent stabilization of microtubules at the cell cortex. Prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization. Phosphorylates MACF1 and this phosphorylation inhibits the binding of MACF1 to microtubules which is critical for its role in bulge stem cell migration and skin wound repair.

组织特异性

Expressed in testis, thymus, prostate and ovary and weakly expressed in lung, brain and kidney.

序列相似性

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. GSK-3 subfamily.

Contains 1 protein kinase domain.

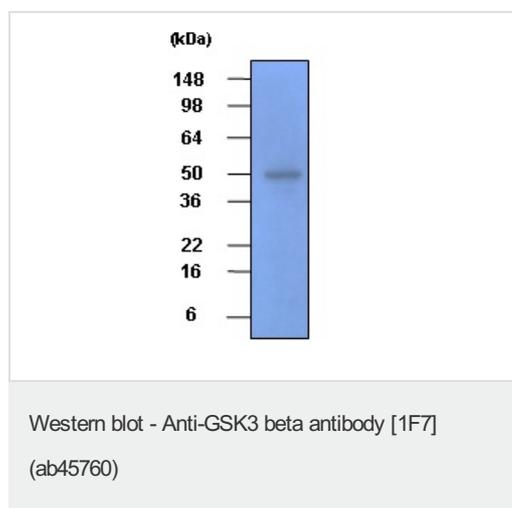
翻译后修饰

Phosphorylated by AKT1 and ILK1. Activated by phosphorylation at Tyr-216.

细胞定位

Cytoplasm. Nucleus. Cell membrane. The phosphorylated form shows localization to cytoplasm and cell membrane. The MEMO1-RHOA-DIAPH1 signaling pathway controls localization of the phosphorylated form to the cell membrane.

图片



Anti-GSK3 beta antibody [1F7] (ab45760) at

1/2000 dilution + HeLa cell lysate at 30 µg

Secondary

goat anti-mouse-HRP

Developed using the ECL technique.

Predicted band size: 47 kDa

Observed band size: 47 kDa

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