


Anti-PI 3 Kinase p85 beta antibody ab93778

2 图像

概述	
产品名称	Anti-PI 3 Kinase p85 beta抗体
描述	兔多克隆抗体to PI 3 Kinase p85 beta
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human 预测可用于: Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide from a region within amino acids 75 - 125 of Human PI 3 Kinase p85 beta (NP_005018.1)
阳性对照	HeLa whole cell lysate (ab150035)
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG
应用	

The Abpromise guarantee**Abpromise™**承诺保证使用ab93778于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 82 kDa.
IP		Use at 5-15 µg/mg of lysate.

靶标**功能**

Regulatory subunit of phosphoinositide-3-kinase (PI3K), a kinase that phosphorylates PtdIns(4,5)P₂ (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP₃). PIP₃ plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Binds to activated (phosphorylated) protein-tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Indirectly regulates autophagy (PubMed:23604317). Promotes nuclear translocation of XBP1 isoform 2 in a ER stress- and/or insulin-dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement.

疾病相关

Megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 1

序列相似性

Belongs to the PI3K p85 subunit family.
Contains 1 Rho-GAP domain.
Contains 2 SH2 domains.
Contains 1 SH3 domain.

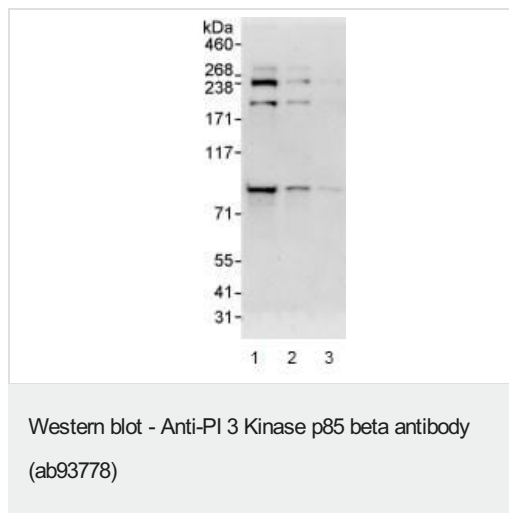
结构域

The SH2 2 domain is required for interaction with FBXL2 and PTPN13.

翻译后修饰

Phosphorylated in response to signaling from activated receptor-type protein kinases (PubMed:19690332, PubMed:20068231). Dephosphorylated by PTPRJ (PubMed:18348712). Dephosphorylated at Tyr-655 by PTPN13. Phosphorylation of Tyr-655 impairs while its dephosphorylation promotes interaction with FBXL2 and SCF(FBXL2)-mediated polyubiquitination (PubMed:23604317). Ubiquitinated. Polyubiquitination by the SCF(FBXL2) complex probably promotes proteasomal degradation of PIK3R2.

图片



All lanes : Anti-PI 3 Kinase p85 beta antibody (ab93778) at 0.04 µg/ml

Lane 1 : HeLa cell lysate at 50 µg

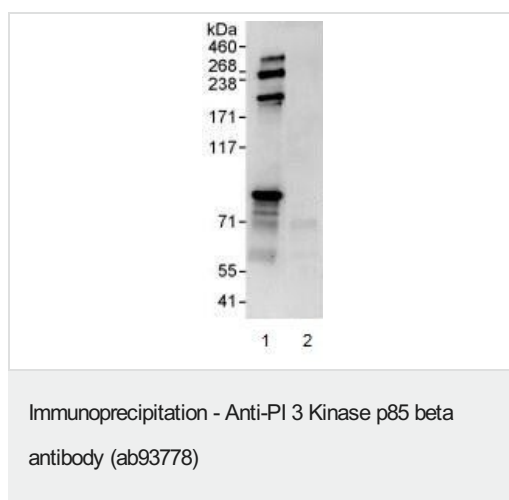
Lane 2 : HeLa cell lysate at 15 µg

Lane 3 : HeLa cell lysate at 5 µg

Developed using the ECL technique.

Predicted band size: 82 kDa

Exposure time: 30 seconds



Immunoprecipitation : 1 mg of HeLa cell lysate

immunoprecipitated with antibody at 10 µg/mg lysate; 20% of immunoprecipitate loaded in each lane

All lanes : PI 3 Kinase p85 beta antibody (ab93778) at 1 µg/ml

Lane 1 : Lysate immunoprecipitated with ab93778

Lane 2 : Lysate immunoprecipitated with a control IgG

Predicted band size : 82 kDa

Developed using the ECL technique

Exposure time : 10 seconds

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