


Anti-PI 3 Kinase p85 beta antibody [T15] ab28356

KO 評価済

[13 References](#) [画像数 2](#)

製品の概要

製品名	Anti-PI 3 Kinase p85 beta antibody [T15]
製品の詳細	Mouse monoclonal [T15] to PI 3 Kinase p85 beta
由来種	Mouse
特異性	T15 recognises the p85 beta subunit of bovine PI 3 kinase. It does not cross react with the p85 alpha subunit.
アプリケーション	適用あり: WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Baculovirus expressed (Recombinant) bovine P85 beta subunit of PI 3 kinase.
ポジティブ・コントロール	WB: HEK293T cell lysate; Lysates of SF9 cells infected with baculovirus expressing p85 beta.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	Preservative: 0.09% Sodium azide
精製度	Protein G purified
特記事項(精製)	This antibody is purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.
ポリ/モノ	モノクローナル

クローン名	T15
ミエローマ	NS1
アイソタイプ	IgG1

アプリケーション

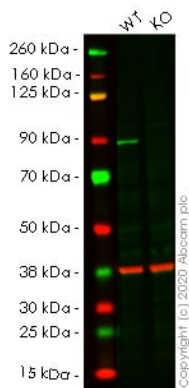
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab28356の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/5000. Predicted molecular weight: 82 kDa.

ターゲット情報

機能	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.
関連疾患	Megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 1
配列類似性	Belongs to the PI3K p85 subunit family. Contains 1 Rho-GAP domain. Contains 2 SH2 domains. Contains 1 SH3 domain.
ドメイン	The SH2 2 domain is required for interaction with FBXL2 and PTPN13.
翻訳後修飾	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.

画像



Western blot - Anti-PI 3 Kinase p85 beta antibody [T15] (ab28356)

All lanes : Anti-PI 3 Kinase p85 beta antibody [T15] (ab28356) at 1/1000 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : PIK3R2 knockout HEK-293T cell lysate

Lysates/proteins at 20 µg per lane.

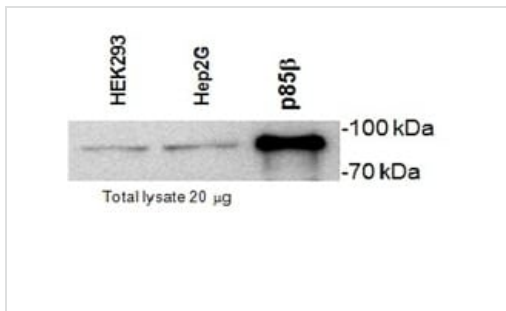
Performed under reducing conditions.

Predicted band size: 82 kDa

Observed band size: 85 kDa

Lanes 1-2: Merged signal (red and green). Green - ab28356 observed at 85 kDa. Red - Anti-GAPDH antibody[EPR16891] - Loading Control (**ab181602**) observed at 37 kDa.

ab28356 was shown to react with PI 3 Kinase p85 beta in wild-type HEK-293T cells in western blot. Loss of signal was observed when knockout cell line **ab266799** (knockout cell lysate **ab257586**) was used. Wild-type HEK-293T and PIK3R2 knockout HEK-293T cell lysates were subjected to SDS-PAGE. ab28356 and Anti-GAPDH antibody[EPR16891] - Loading Control (**ab181602**) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye®800CW) preadsorbed (**ab216772**) and Goat Anti-Rabbit IgG H&L (IRDye®680RD) preadsorbed (**ab216777**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western Blotting of HEK293 and HepG2 cell lysates with Mouse anti Bovine PI-3 kinase p85 subunit beta (ab28356), recombinant p85β is included as a positive control.

Western blot - Anti-PI 3 Kinase p85 beta antibody [T15] (ab28356)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors