





# Anti-PHLDA3 antibody [4B6] ab81464

**2 References**   **1 图像**

### 概述

产品名称	Anti-PHLDA3抗体[4B6]
描述	小鼠单克隆抗体[4B6] to PHLDA3
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide: MTAAATATVL KEGVLEKRSG GLLQLWKRKR C, corresponding to N terminal amino acids 1-31 of human PHLDA3  <b>Run BLAST with</b>  <b>Run BLAST with</b> 
阳性对照	MDA-MB-468 cells
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&amp;As</p>

### 性能

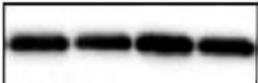
形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6 Constituents: 50% Glycerol (glycerin, glycerine), PBS
纯度	Ion Exchange Chromatography
纯化说明	The antibody was produced from the hybridoma cultured in serum free medium and purified under mild conditions by propriety chromatography processes. The antibody is filter sterilized.
克隆	单克隆
克隆编号	4B6
同种型	IgG2b

kappa

## The Abpromise guarantee Abpromise™承诺保证使用ab81464于以下的经测试应用

应用	Ab评论	说明
WB		Use at an assay dependent dilution. Predicted molecular weight: 14 kDa.

<b>功能</b>	p53/TP53-regulated repressor of Akt/AKT1 signaling. Represses AKT1 by preventing AKT1-binding to membrane lipids, thereby inhibiting AKT1 translocation to the cellular membrane and activation. Contributes to p53/TP53-dependent apoptosis by repressing AKT1 activity. Its directs transcription regulation by p53/TP53 may explain how p53/TP53 can negatively regulate AKT1. May acts as a tumor suppressor.
<b>组织特异性</b>	Widely expressed with lowest expression in liver and spleen.
<b>序列相似性</b>	Belongs to the PHLDA3 family. Contains 1 PH domain.
<b>结构域</b>	The PH domain binds phosphoinositides with a broad specificity. It competes with the PH domain of AKT1 and directly interferes with AKT1 binding to phosphatidylinositol 4,5-bisphosphate (PIP2) and phosphatidylinositol 3,4,5-triphosphate (PIP3), preventing AKT1 association to membrane lipids and subsequent activation of AKT1 signaling.
<b>细胞定位</b>	Cytoplasm. Membrane.

	Control		PHLDA3	
	shRNA		shRNA	
Ad-p53	-	+	-	+
PHLDA3				
$\beta$ -actin				
	1	2	3	4

Western blot - Anti-PHLDA3 antibody [4B6]  
(ab81464)

Western blotting was performed using ab81464 to detect PHLDA3 protein expression. PHLDA3 protein was induced by Ad-p53 in MDA-MB-468 cells (left). PHLDA3 expression was inhibited by shRNA targeting PHLDA3 (right).

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