

Recombinant Human PHLPP2 protein ab125556

1 图像

描述	
产品名称	重组人PHLPP2蛋白
纯度	> 95 % Densitometry. ab125556 is >95% pure.
表达系统	Escherichia coli
Accession	<u><b>Q6ZVD8</b></u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	56 kDa including tags
氨基酸	766 to 1043

技术指标	
Our <u><b>Abpromise guarantee</b></u> covers the use of <b>ab125556</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Western blot SDS-PAGE
形式	Liquid

制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride, 0.003% EDTA, 0.79% Tris HCl, 0.004% DTT, 0.002% PMSF, 0.31% Glutathione

常规信息	
功能	Protein phosphatase that mediates dephosphorylation of 'Ser-473' of AKT1, 'Ser-660' of PRKCB

isoform beta-II and 'Ser-657' of PRKCA. AKT1 regulates the balance between cell survival and apoptosis through a cascade that primarily alters the function of transcription factors that regulate pro- and antiapoptotic genes. Dephosphorylation of 'Ser-473' of AKT1 triggers apoptosis and decreases cell proliferation. Also controls the phosphorylation of AKT3. Dephosphorylation of PRKCA and PRKCB leads to their destabilization and degradation. Inhibits cancer cell proliferation and may act as a tumor suppressor.

#### 组织特异性

In colorectal cancer tissue, expression is highest in the surface epithelium of normal colonic mucosa adjacent to the cancer tissue but is largely excluded from the crypt bases. Expression is lost or significantly decreased in 80% of tested tumors (at protein level).

#### 序列相似性

Contains 22 LRR (leucine-rich) repeats.

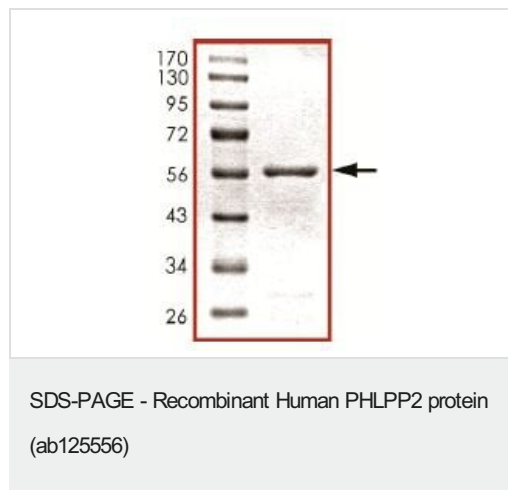
Contains 1 PH domain.

Contains 1 PP2C-like domain.

#### 细胞定位

Cytoplasm. Membrane. Nucleus. In colorectal cancer tissue, expression is concentrated in the cytoplasm and nucleus.

#### 图片



SDS PAGE analysis of ab125556 (PHLPP2 protein).

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

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