

Product datasheet

Recombinant human AKT2 protein ab79798

3 图像

概述

产品名称	重组人AKT2蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Baculovirus infected Sf9 cells
氨基酸序列	
Accession	<a href="#">P31751</a>
种属	Human
序列	<p>MNEVSVIKEGWLHKRGEYIKTWRPRYFLLKSDGSFIGYKE  RPEAPDQTLPLNNFSVAEC  QLMKTERPRPNTFVIRCLQWTTVIERTFHVDSPDEREE  WMRAIQMVANSLKQRAPGEDPM  DYKCGSPSDSSTTEEMEVAVSKARAK  VTMNDFDYLKLLGKGTFGKVILVREKATGRYYAM  KILRKEVIIAKDEV  AHTVTESRVLQNRHPFLTALKYAFQTHDRLCFVMEYANG  GELFFHLS  RERVFTEERARFYGAEIVSALEYLHSRDVVYRDIKLENLM  LDKDGHIKITDFGLCKEG  ISDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVM  YEMMCGRLPFYNQDHERLFE  LILMEEIRFPRTLSPKASLLAGLLKKD  PKQRLGGGPSDAKEVMEHRFFLSINWQDVVQK  KLLPPFKPQVTSEVDT  RYFDDEFTAQSITITPPDRYDSLGLLELDQRTHFPQFSYS  ASIR E</p>
氨基酸	1 to 481
标签	His tag N-Terminus
额外的序列信息	Recombinant full-length human AKT2 was co-expressed with PDK1 by baculovirus infection in Sf9 insect cells.

技术指标

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Our [Abpromise guarantee](#) covers the use of **ab79798** in the following tested applications.

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

**生物活性** Specific Activity: 5.9 pmol/min/μg.

**应用** Functional Studies

SDS-PAGE

Western blot

**纯度** >90% by SDS-PAGE.

**形式** Liquid

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#### 制备和贮存

**稳定性和存储** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Preservative: 0.1% Imidazole

Constituents: 0.0462% DTT, 0.395% Tris HCl, 50% Glycerol, 0.58% Sodium chloride, Potassium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

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#### 常规信息

**功能** General protein kinase capable of phosphorylating several known proteins.

**组织特异性** Expressed in all human cell types so far analyzed.

**序列相似性** Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. RAC subfamily.

Contains 1 AGC-kinase C-terminal domain.

Contains 1 PH domain.

Contains 1 protein kinase domain.

**翻译后修饰** Phosphorylation on Thr-309 and Ser-474 is required for full activity.

Ubiquitinated; undergoes both 'Lys-48'- and 'Lys-63'-linked polyubiquitination. TRAF6-induced 'Lys-63'-linked AKT2 ubiquitination. When fully phosphorylated and translocated into the nucleus, undergoes 'Lys-48'-polyubiquitination catalyzed by TTC3, leading to its degradation by the proteasome.

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#### 图片

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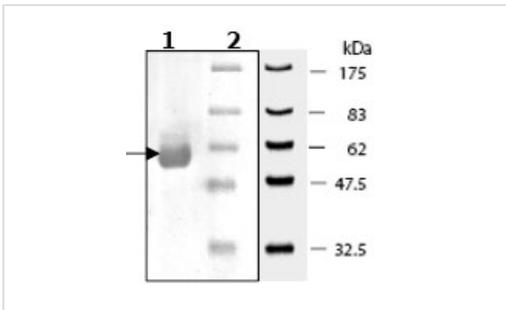


Western blot - Recombinant human AKT2 protein (ab79798)

Anti-AKT2 antibody (ab78666) + Recombinant human AKT2 protein (ab79798) at 0.01 µg

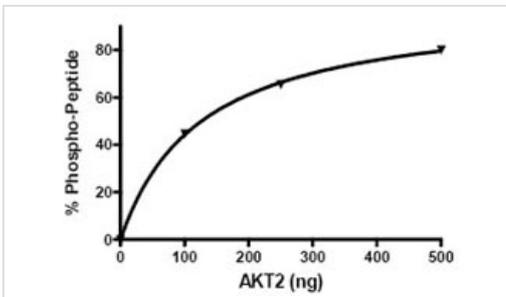
**Secondary**

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution



SDS-PAGE - Recombinant human AKT2 protein (ab79798)

10% SDS-PAGE showing ab79798 at approximately 57kDa (10µg).



Functional Studies - Recombinant human AKT2 protein (ab79798)

Kinase assay: Specific activity 5.9 pmol/min/µg.

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- 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

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