

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	P31751
种属	Human
序列	MNEVSVIKEGWLHKRGEYIKTWRPRYFLLKSDGSFIGYKERPEAPDQTLPLNNSVAECQLMKTERPRNPFVIRCLQWTTVIERTFHVDSPDEREEWMRAIQMVANSLKQRAPGEDPMDYKCGSPSDSSTTEEMEVAVSKARAKVTMNDFDYLKLLGKGTFGKVILVREKATGRYYAMKILRKEVIAKDEV AHTVTESRVLQNRHPFLTALKYAFQTHDRLCFVMEYANGGELFFHLSRERVFTEERARFYGAEIVSALEYLHSRDVVYRDIKLENMLDKDGHIKITDFGLCKEGISDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEMMCGRLPFYNQDHERLFE LILMEEIRFPRTLSPKAKSLLAGLLKDKPKQRLGGGSPDAKEVMEHRFFLSINWQDVVQK KLLPPFKPQVTSEVDT RYFDDEFTAQSITITPPDRYDSLGLLELDQRTHFPQFSYSASIR E

氨基酸	1 to 481
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标签	His tag N-Terminus
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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

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

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.

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.

图片

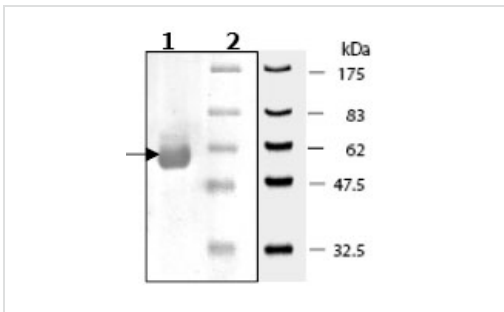


Western blot - Active human AKT2 full length protein (ab79798)

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

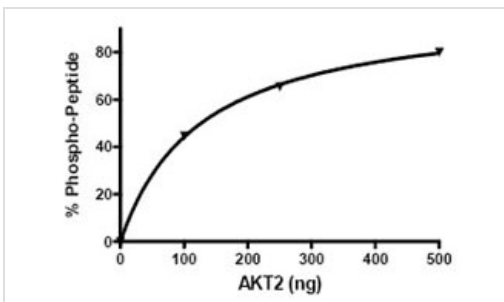
Secondary

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



SDS-PAGE - AKT2 protein (Active) (ab79798)

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



Functional Studies - AKT2 protein (Active) (ab79798)

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

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