

Recombinant human SIRT2 protein ab79948

2 图像

描述	
产品名称	重组人SIRT2蛋白
生物活性	<p>Specific Activity: 1.4 U/μg. One U =1 pmol/min.</p> <p>Activity: =1.0 pmol/min/μg. Assay conditions: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl2, and 0.1 mg/ml BSA, 20 μM BPS HDAC substrate, 500 μM NAD+ and Sirtuin 2 (125 - 8000 ng). Incubation condition: 30 min at 37°C followed by treatment with 50 μl of SIRT developer for 15 min at RT. Fluorescence intensity is measured at ex360/em460.</p>
纯度	> 90 % SDS-PAGE.
表达系统	Escherichia coli
Accession	<u>Q8IXJ6</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	<p>MASSLGSQKERLLDELTLEGVARYMQSERCRRVICLVGAGIS TSAGIPDF RSPSTGLYDNLEKYHLPYPEAIFEISYFKKHPEPFFALAKEL YPGQFKPT ICHYFMRLKDKGLLLRCYTQNIDTLERiAGLEQEDLVEAHG TFYTSHCV SASCRHEYPLSWMKEKIFSEVTPKCEDCQSLVKPDIVFFGES LPAFFSC MQSDFLKVDLLLVMGTSLQVQPFASLISKAPLSTPRLLINKE KAGQSDPF LGMIMGLGGGMDFDSKKAYRDVAWLGECDQGCLALAEELLGWK KELEDLVR REHASIDAQSLEHHHHHH</p>
预测分子量	36 kDa including tags
氨基酸	50 to 356
标签	His tag C-Terminus
额外的序列信息	NP_036369 36 kDa including tag

Our **Abpromise guarantee** covers the use of **ab79948** in the following tested applications.

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

应用 Functional Studies

SDS-PAGE

形式 Liquid

制备和贮存

稳定性和存储 Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 50% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

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

常规信息

功能 NAD-dependent protein deacetylase, which deacetylates the 'Lys-40' of alpha-tubulin. Involved in the control of mitotic exit in the cell cycle, probably via its role in the regulation of cytoskeleton.

组织特异性 Widely expressed. Highly expressed in heart, brain and skeletal muscle, while it is weakly expressed in placenta and lung. Down-regulated in many gliomas suggesting that it may act as a tumor suppressor gene in human gliomas possibly through the regulation of microtubule network.

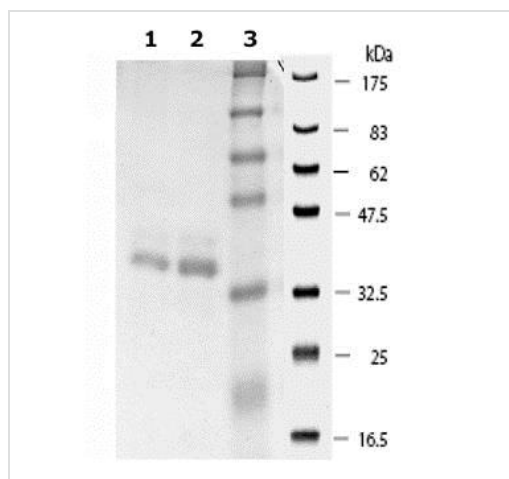
序列相似性 Belongs to the sirtuin family.
Contains 1 deacetylase sirtuin-type domain.

发展阶段 Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.

翻译后修饰 Phosphorylated at the G2/M transition of the cell cycle.

细胞定位 Cytoplasm > cytoskeleton. Colocalizes with microtubules.

图片



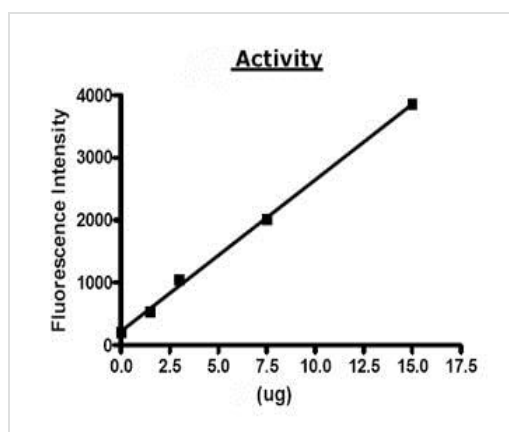
SDS-PAGE - Recombinant human SIRT2 protein
(ab79948)

12% SDS-PAGE, Coomassie staining.

Lane 1: ab79948 1µg.

Lane 2: ab79948 2µg.

Lane 3: Protein marker.



Functional Studies - Recombinant human SIRT2
protein (ab79948)

Image showing specific activity of ab79948.

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

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