

## Product datasheet

# Anti-Synapsin I (phospho S549) antibody ab60070

### 概述

产品名称	Anti-Synapsin I (phospho S549)抗体
描述	兔多克隆抗体to Synapsin I (phospho S549)
特异性	ab60070 recognises synapsin I, phosphorylated at serine residue 549.
经测试应用	适用于: WB
种属反应性	与反应: Rat 预测可用于: Mouse, Cow, Dog, Human, Non human primates
免疫原	Phosphopeptide corresponding to amino acid sequence surrounding the phosphorylated serine 549 of synapsin I.
阳性对照	Rat cortex cell lysates.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: 50% Glycerol, 0.01% BSA, 10mM HEPES, pH 7.5
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab60070** in the following tested applications.

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

应用	Ab评论	说明
WB		1/1000. Predicted molecular weight: 74 kDa.

<b>功能</b>	Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level.
<b>疾病相关</b>	Defects in SYN1 are a cause of epilepsy X-linked with variable learning disabilities and behavior disorders [MIM:300491]. XELBD is characterized by variable combinations of epilepsy, learning difficulties, macrocephaly, and aggressive behavior.
<b>序列相似性</b>	Belongs to the synapsin family.
<b>翻译后修饰</b>	Substrate of at least four different protein kinases. It is probable that phosphorylation plays a role in the regulation of synapsin-1 in the nerve terminal. Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>细胞定位</b>	Cell junction > synapse. Golgi apparatus.

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