

## Product datasheet

# Anti-Caspase-9 antibody (Biotin) ab78410

### 概述

产品名称	Anti-Caspase-9抗体(Biotin)
描述	兔多克隆抗体to Caspase-9 (Biotin)
宿主	Rabbit
偶联物	Biotin
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Mouse, Rat, Sheep, Cow, Human
免疫原	Recombinant fragment corresponding to Human Caspase-9 aa 1-134. Database link: <a href="#">P55211</a>
阳性对照	Jurkat cells; Human tonsil tissue

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: 0.2% BSA, 10mM PBS, pH 7.4
纯度	Protein A purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab78410** 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		Use a concentration of 2.5 - 5 µg/ml. Predicted molecular weight: 46 kDa.
IP		Use at 10 µg/mg of lysate.

应用	Ab评论	说明
IHC-P		Use a concentration of 5 - 10 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Boil tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 mins, followed by cooling at RT for 20 min.

## 靶标

功能	Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.
组织特异性	Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.
序列相似性	Belongs to the peptidase C14A family. Contains 1 CARD domain.
发展阶段	Expressed at low levels in fetal heart, at moderate levels in neonate heart, and at high levels in adult heart.
翻译后修饰	Cleavages at Asp-315 by granzyme B and at Asp-330 by caspase-3 generate the two active subunits. Caspase-8 and -10 can also be involved in these processing events.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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