

Product datasheet

Anti-Caspase-9 antibody [5B4] ab28131

7 References

概述

产品名称	Anti-Caspase-9抗体[5B4]
描述	小鼠单克隆抗体[5B4] to Caspase-9
宿主	Mouse
特异性	Ab28131 is specific to Caspase-9.
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Fusion protein corresponding to Human Caspase-9 aa 1-250 (N terminal). Database link: P55211
阳性对照	HeLa and Jurkat 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: None Constituents: 50% Glycerol, PBS, pH 7.2.
纯度	Protein A purified
克隆	单克隆
克隆编号	5B4
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab28131** 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 1 µg/ml. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).

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.

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