

### Anti-14-3-3 zeta antibody ab51129

★★★★★ [3 Abreviews](#) [30 References](#) [画像数 5](#)

#### 製品の概要

製品名	Anti-14-3-3 zeta antibody
製品の詳細	Rabbit polyclonal to 14-3-3 zeta
由来種	Rabbit
特異性	<p>ab51129 detects endogenous levels of total 14-3-3 zeta protein.</p> <p>Cross reactivity of ab51129 antibody with other member of the 14-3-3 family:</p> <ul style="list-style-type: none"> <li>-92% identities with 14-3-3 beta/alpha, gamma and eta</li> <li>-77% identities with 14-3-3 teta</li> <li>-69% identities with 14-3-3 epsilon</li> <li>-62% identities with 14-3-3 sigma</li> </ul>
アプリケーション	<b>適用あり:</b> WB, ICC/IF, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	<p>Synthetic peptide corresponding to Human 14-3-3 zeta. The immunogen is a 13 amino acid synthetic peptide that resides within amino acids 24-73 of the human 14-3-3 zeta.</p> <p>Database link: <a href="#">P63104</a></p>
ポジティブ・コントロール	WB: 293 cells IHC-P: Human glioblastoma, human breast carcinoma tissue. ICC/IF: HeLa cells.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS</p>

	Without Mg+2 and Ca+2
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## アプリケーション

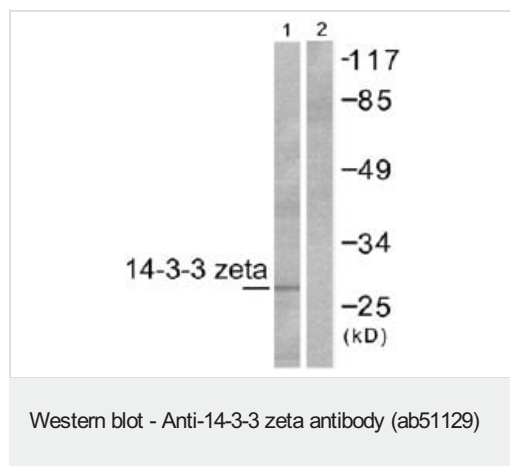
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab51129の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (3)	1/500 - 1/1000. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).
ICC/IF		Use a concentration of 1 µg/ml.
IHC-P		1/50 - 1/100.

## ターゲット情報

機能	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.
配列類似性	Belongs to the 14-3-3 family.
翻訳後修飾	The delta, brain-specific form differs from the zeta form in being phosphorylated (By similarity). Phosphorylation on Ser-184 by MAPK8; promotes dissociation of BAX and translocation of BAX to mitochondria. Phosphorylation on Ser-58 by PKA; disrupts homodimerization and heterodimerization with YHAE and TP53. This phosphorylation appears to be activated by sphingosine. Phosphorylation on Thr-232; inhibits binding of RAF1.
細胞内局在	Cytoplasm. Melanosome. Located to stage I to stage IV melanosomes.

## 画像



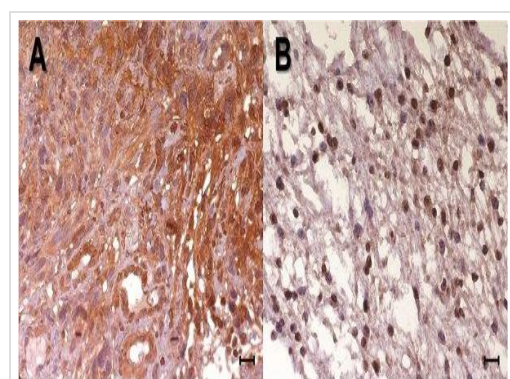
**All lanes :** Anti-14-3-3 zeta antibody (ab51129)

**Lane 1 :** Extracts from 293 cells treated with Forskolin (40nM, 30min) with no peptide

**Lane 2 :** Extracts from 293 cells treated with Forskolin (40nM, 30min) with immunising peptide

**Predicted band size:** 28 kDa

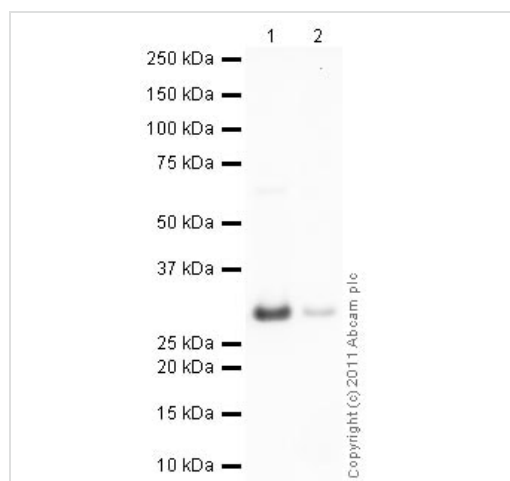
**Observed band size:** 28 kDa



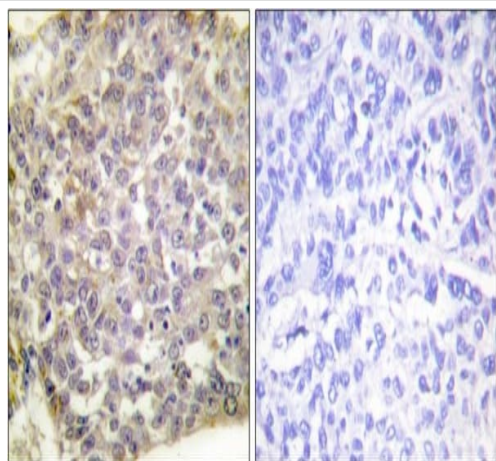
ab51129 staining 14-3-3 zeta in Human glioblastoma samples (A) and low grade tumors (B) by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/50) overnight. Nuclei stained blue with hematoxylin. Scale bars = 20  $\mu$ m

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-14-3-3 zeta antibody (ab51129)

Simeone P et al., PLoS One 9:e103030 (2014), Fig 7., doi: 10.1371/journal.pone.0103030 Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

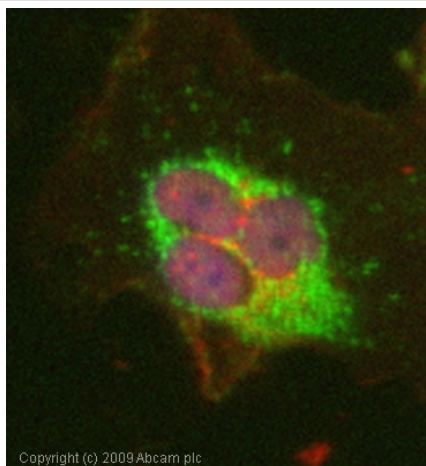


Western blot - Anti-14-3-3 zeta antibody (ab51129)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-14-3-3 zeta antibody (ab51129)

This image shows paraffin-embedded human breast carcinoma tissue stained with ab51129 at a dilution of 1/100. Right hand image: tissue treated with immunising peptide; left hand image: untreated tissue



Immunocytochemistry/ Immunofluorescence - Anti-14-3-3 zeta antibody (ab51129)

ICC/IF image of ab51129 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab51129, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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