



## Rabbit Anti-14-3-3 zeta+delta antibody

SL6790R

<b>Product Name:</b>	14-3-3 zeta+delta
<b>Chinese Name:</b>	14-3-3 protein ζ/δ抗体
<b>Alias:</b>	14 3 3 protein delta; 14 3 3 protein zeta/delta; 14 3 3 protein/cytosolic phospholipase A2; 14-3-3 protein zeta/delta; 14-3-3zeta; 14-3-3 delta; 14-3-3 zeta; 14-3-3delta; 1433Z_HUMAN; KCIP 1; KCIP-1; KCIP1; MGC111427; MGC126532; MGC13815; Phospholipase A2; Protein kinase C inhibitor protein 1; Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein zeta polypeptide; YWHAZ.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	27kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human 14-3-3 zeta/delta:51-150/245
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

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.

**Subunit:**

Interacts with CDK16 and BSPRY. Interacts with WEE1 (C-terminal). Interacts with SAMSN1. Interacts with MLF1 (phosphorylated form); the interaction retains it in the cytoplasm. Interacts with Thr-phosphorylated ITGB2. Interacts with BCL2L11. Homodimer. Heterodimerizes with YWHAE. Homo- and hetero-dimerization is inhibited by phosphorylation on Ser-58. Interacts with FOXO4, NOXA1, SSH1 and ARHGEF2. Interacts with Pseudomonas aeruginosa exoS (unphosphorylated form). Interacts with BAX; the interaction occurs in the cytoplasm. Under stress conditions, MAPK8-mediated phosphorylation releases BAX to mitochondria. Interacts with phosphorylated RAF1; the interaction is inhibited when YWHAZ is phosphorylated on Thr-232. Interacts with TP53; the interaction enhances p53 transcriptional activity. The Ser-58 phosphorylated form inhibits this interaction and p53 transcriptional activity. Interacts with ABL1 (phosphorylated form); the interaction retains ABL1 in the cytoplasm. Interacts with PKA-phosphorylated AANAT; the interaction modulates AANAT enzymatic activity by increasing affinity for arylalkylamines and acetyl-CoA and protecting the enzyme from dephosphorylation and proteasomal degradation. It may also prevent thiol-dependent inactivation. Interacts with AKT1; the interaction phosphorylates YWHAZ and modulates dimerization. Interacts with GAB2 and TLK2.

**Subcellular Location:**

Cytoplasm. Melanosome. Note=Located to stage I to stage IV melanosomes.

**Post-translational modifications:**

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.

**Similarity:**

Belongs to the 14-3-3 family.

**SWISS:**

P63104

**Gene ID:**

7534

**Database links:**

[Entrez Gene: 7529](#)Human

[Entrez Gene: 7534](#)Human

[Entrez Gene: 22631](#)Mouse

[Entrez Gene: 54401](#)Mouse

[Entrez Gene: 25578](#)Rat

[Entrez Gene: 56011](#)Rat

[Omim: 601288](#)Human

[Omim: 601289](#)Human

[SwissProt: P29358](#)Cow

[SwissProt: P31946](#)Human

[SwissProt: P63104](#)Human

[SwissProt: P35215](#)Mouse

[SwissProt: Q9CQV8](#)Mouse

[SwissProt: P35213](#)Rat

[SwissProt: P63102](#)Rat

[SwissProt: P29361](#)Sheep

[Unigene: 492407](#)Human

[Unigene: 643544](#)Human

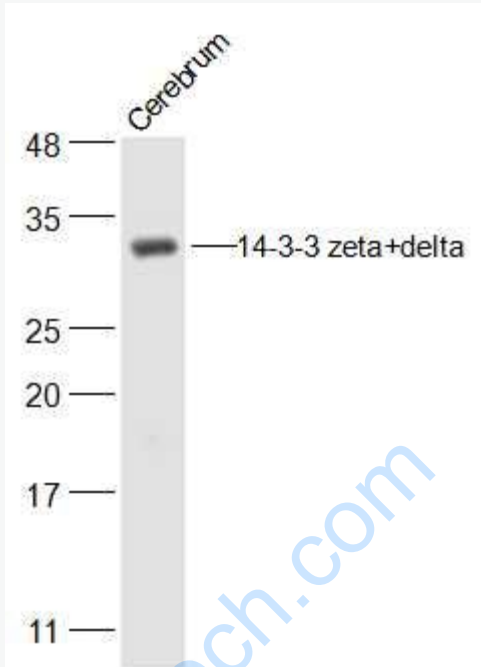
[Unigene: 1292](#)Rat

[Unigene: 8653](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

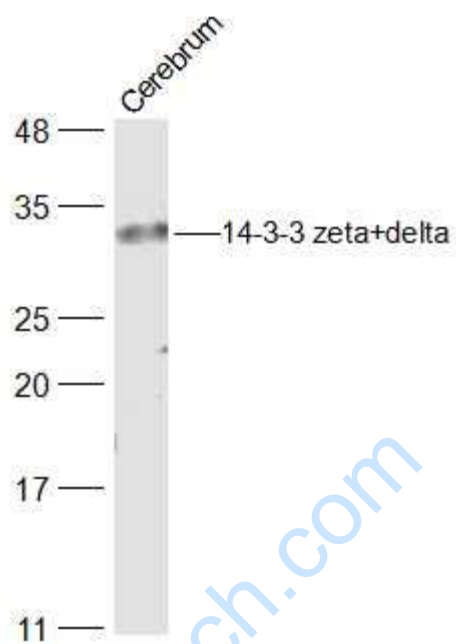
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-14-3-3 zeta+delta (SL6790R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 27 kD



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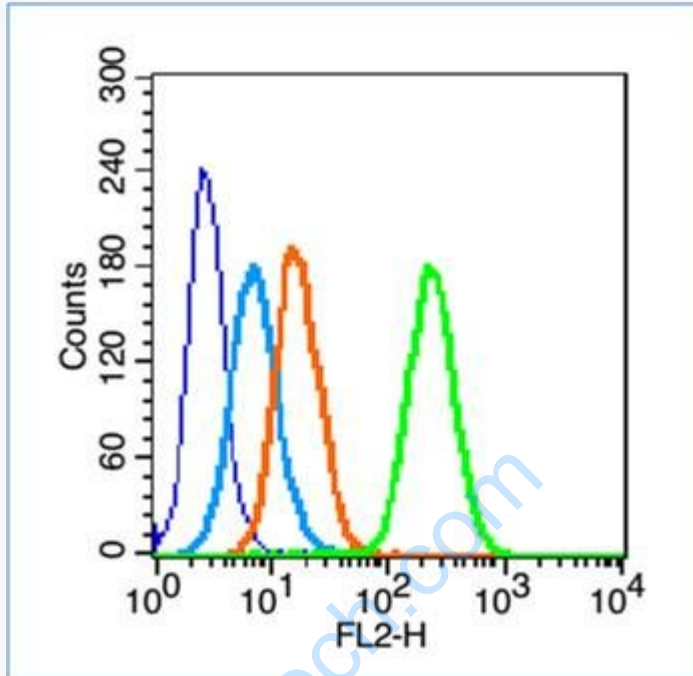
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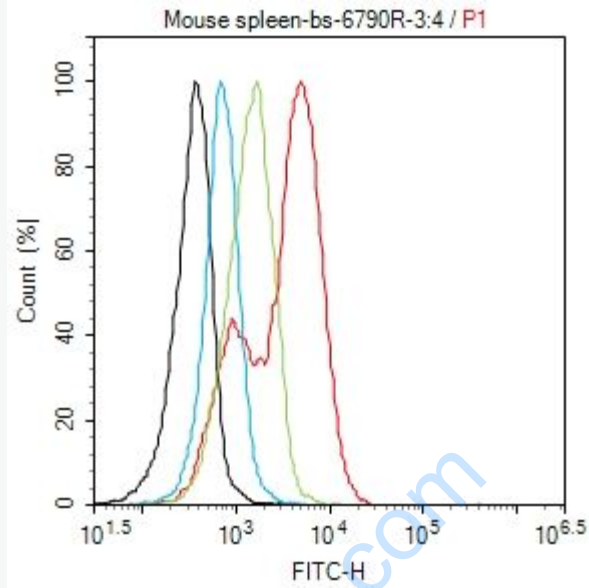


Blank control (blue line): HL60 (fixed with 70% ethanol (overnight at 4°C) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature).

Primary Antibody (green line): Rabbit Anti-14-3-3 zeta+delta antibody (SL6790R), Dilution: 0.2µg / 10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE<, Dilution: 1µg /test.



Blank control (black line): Raji (black) (The cells were fixed with 2% paraformaldehyde (10 min) , then permeabilized with PBST for 30 min on room temperature)

Primary Antibody (red line): Rabbit Anti-14-3-3 zeta+delta antibody (SL6790R) ;  
Dilution:  $1\mu\text{g} / 10^6$  cells;

Isotype Control Antibody (green line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE;Dilution:  $1\mu\text{g} / \text{test}$ .