

# Anti- 14-3-3 $\zeta$ (Phospho-Ser58) Polyclonal Antibody



| Catalog No. | Size        |
|-------------|-------------|
| A100001-01  | 50 $\mu$ l  |
| A100001-02  | 100 $\mu$ l |

|                    |  |
|--------------------|--|
| <b>Specificity</b> | Anti- 14-3-3 $\zeta$ (Phospho-Ser58) (human Mouse Rat) |
| <b>Source</b>      | Rabbit Polyclonal                                      |
| <b>Application</b> | WB ELISA IHC IF  |
| <b>Form</b>        | Liquid, 1 mg/ml  |

## Specificity and Sensitivity

**Swiss-Prot No.:** P63104

**Other Names:** 14-3-3 protein zeta/delta, 1433Z, 143Z, FAS, Factor activating exoenzyme S, KCIP-1, Mitochondrial import stimulation factor S1 subunit, Protein kinase C inhibitor protein-1, YWHAZ

## Specificity and Sensitivity

14-3-3  $\zeta$  (phospho-Ser58) antibody detects endogenous levels of 14-3-3  $\zeta$  only when phosphorylated at serine 58.

## Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human 14-3-3  $\zeta$  around the phosphorylation site of serine 58 (R-S-S<sup>P</sup>-W-R).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~3000      IHC: 1:50~100  
IF: 1:100~1:500      ELISA: 1:40000

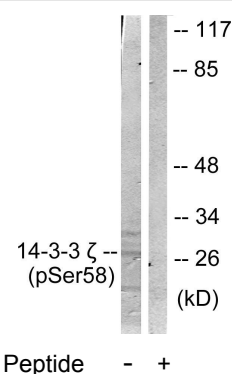
## Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

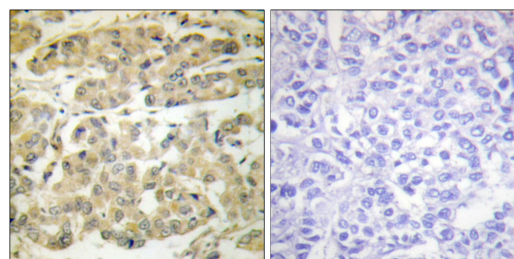
## Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

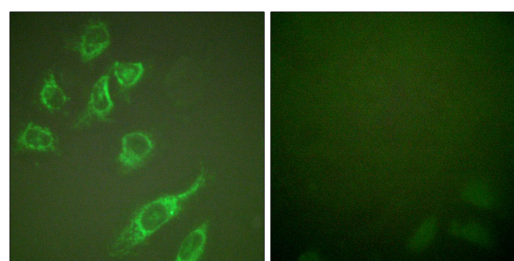
## Images



Western blot analysis of extracts from NIH/3T3 cells treated with UV (30mins), using 14-3-3  $\zeta$  (phospho-Ser58) antibody..



P-peptide      -      +  
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using 14-3-3  $\zeta$  (phospho-Ser58) antibody.



PMA      +      -  
Immunofluorescence analysis of HeLa cells, treated with PMA (125ng/ml, 30mins), using 14-3-3  $\zeta$  (phospho-Ser58) antibody.