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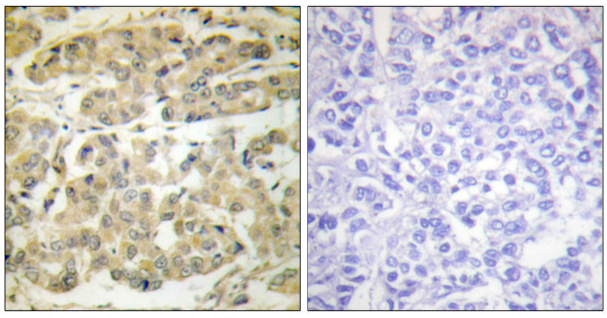
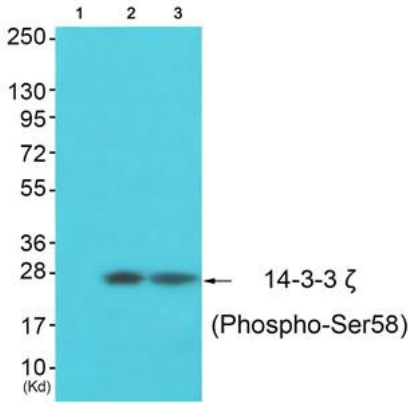
14-3-3 ζ (Phospho-Ser58) Antibody［#A0001］

Catalog Number: A0001
Amount: 50μg/50μl, 100μg/100μl, 200μg/200μl
Swiss-Prot No. : P63104
All 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
All Sites: Human: Ser58; Mouse: Ser58; Rat: Ser58
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human 14-3-3 ζ around the phosphorylation site of serine 58 (R-S-S^P-W-R).
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site.
Specificity/Sensitivity: 14-3-3 ζ (phospho-Ser58) antibody detects endogenous levels of 14-3-3 ζ only when phosphorylated at serine 58.
Reactivity: Human, Mouse, Rat
Applications: WB: 1:500~3000 IHC: 1:50~100
IF: 1:100~1:500 ELISA: 1:40000
References:
Ying H. Shen Mol. Biol. Cell, Nov 2003; 14: 4721.
David W. Powell, Mol. Cell. Biol., Aug 2003; 23: 5376 - 5387.
Mackintosh. C, (2004) Biochem. J. 381, 329 - 42.
Dougherty, M.K. and Morrison, D.K. (2004) J. Cell Sci. 117, 1875 - 84.



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



Western blot analysis of extracts from A549 cells (Lane 2) and 3T3 cells (Lane 3), using 14-3-3 ζ (Phospho-Ser58) Antibody. The lane on the left is treated with synthesized peptide

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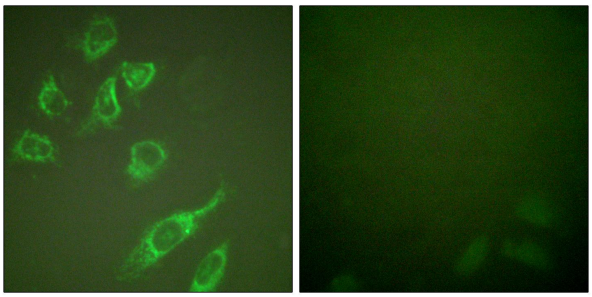

PMA + -

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