

Product Datasheet

14-3-3 zeta (Phospho-S58) Rabbit Polyclonal Antibody (orb214750)

Catalog Number	orb214750
Category	Antibodies
Description	The 14-3-3 zeta (Phospho-S58) Antibody is suitable for IF, IHC, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S58 of human 14-3-3 zeta protein. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
Target	YWHAZ
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Bovine, Gallus, Human, Mouse, Porcine, Rat, Sheep, Zebrafish
Form/Appearance	Liquid
Buffer/Preservatives	0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purification	The antibody was purified by immunogen affinity chromatography.
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S58 of human 14-3-3 zeta protein. The exact sequence is proprietary.
UniProt ID	P63101, P63104, P63102

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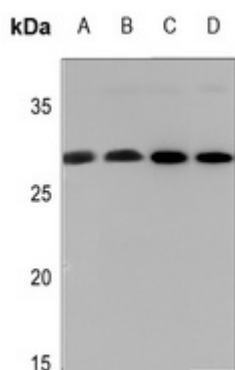
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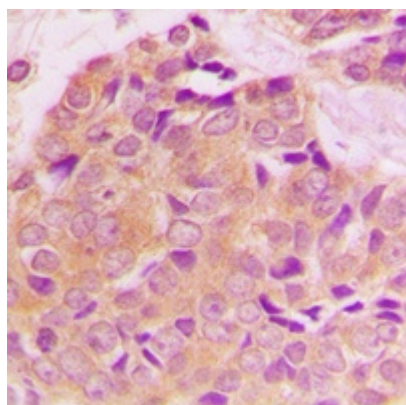
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Tested applications	IF, IHC, WB
Dilution range	WB: 1-500-1-1000, IHC-P: 1-100-1-200, IF/ICC: 1-100-1-500, IP: 1-10-1-100
Specificity	Recognizes endogenous levels of 14-3-3 zeta protein only when phosphorylated at S58.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	25578, 7534, 22631
Expiration Date	12 months from date of receipt.



Western blot analysis of 14-3-3 zeta (Phospho-S58) expression in MCF7 (A), Jurkat (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 28 kD)



Immunohistochemical analysis of 14-3-3 zeta (Phospho-S58) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (Phospho-H 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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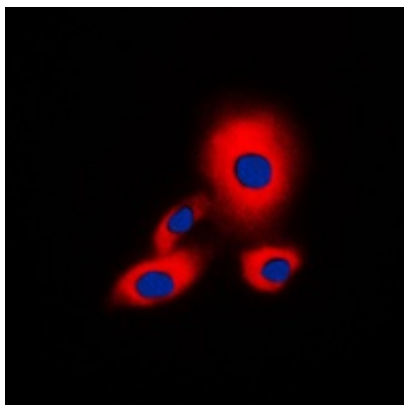
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Immunofluorescent analysis of 14-3-3 zeta (Phospho-S58) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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