

35-1171: Polyclonal Antibody to 14-3-3 zeta (Phospho-Ser58)

Clonality :	Polyclonal
Application :	WB,IHC,IF
Reactivity :	Human,Mouse,Rat
Gene :	YWHAZ
Gene ID :	7534
Uniprot ID :	P63104
Format :	Purified
Alternative Name :	1433Z, 143Z, FAS, Factor activating exoenzyme S, KCIP-1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of serine 58 (R-S-S(p)-W-R) derived from Human 14-3-3 zeta.

Description

This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene.

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 28kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

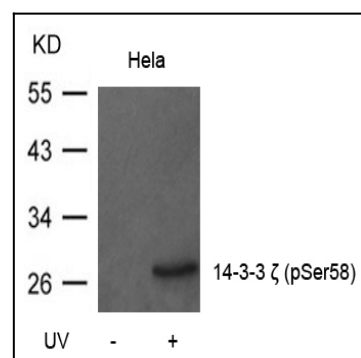


Figure 1: Western blot analysis of extracts from HeLa cells untreated or treated with UV using 14-3-3z(Phospho-Ser58) Antibody 35-1171 .

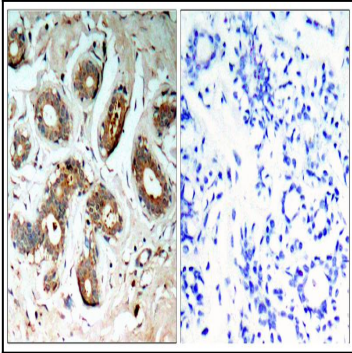


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 14-3-3z(Phospho-Ser58) Antibody 35-1171 (left) or the same antibody preincubated with blocking peptide(right).

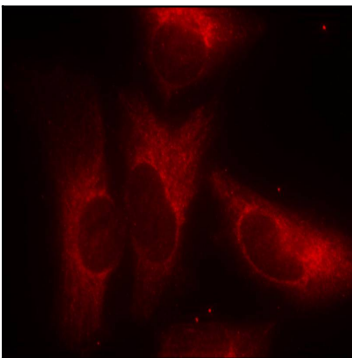


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using 14-3-3z(Phospho-Ser58) Antibody 35-1171 .