

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

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| 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

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| Amount : | 50 μ l / 100 μ l |
| Content : | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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

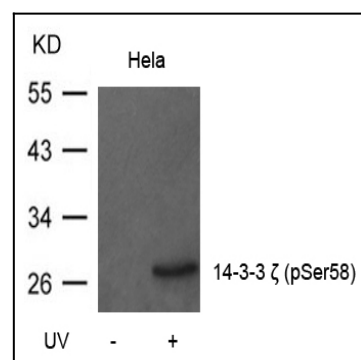


Figure 1: Western blot analysis of extracts from HeLa cells untreated or treated with UV using 14-3-3z(Phospho-Ser58) Antibody 35-1171 .

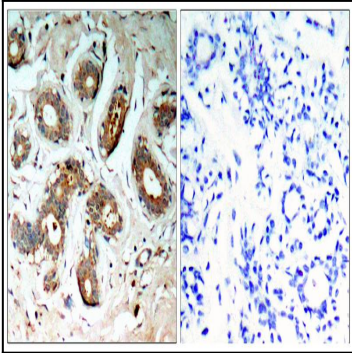


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 14-3-3z(Phospho-Ser58) Antibody 35-1171 (left) or the same antibody preincubated with blocking peptide(right).

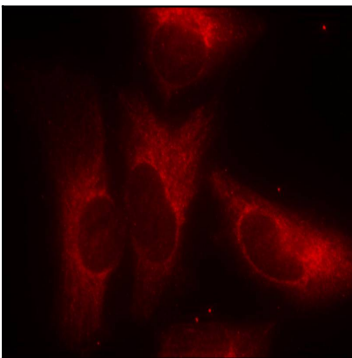


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using 14-3-3z(Phospho-Ser58) Antibody 35-1171 .