

14-3-3z(Phospho-Ser58) Antibody

Catalog No: #11181

Package Size: #11181-1 50ul #11181-2 100ul

Description

Product Name	14-3-3z(Phospho-Ser58) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of 14-3-3 z only when phosphorylated at serine 58.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 58 (R-S-S(p)-W-R) derived from Human 14-3-3 zeta.
Conjugates	Unconjugated
Target Name	14-3-3z
Modification	Phospho
Other Names	1433Z; 143Z; FAS; Factor activating exoenzyme S; KCIP-1
Accession No.	Swiss-Prot: P63104NCBI Protein: NP_001129171.1
Concentration	1.0mg/ml
Formulation	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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

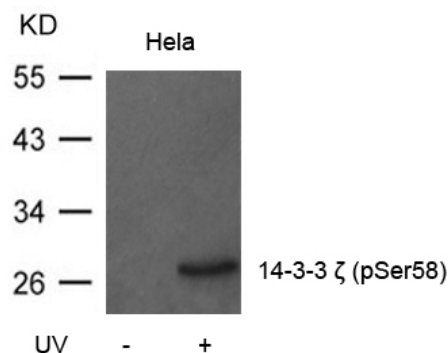
Predicted MW: 28kd

Western blotting: 1:500~1:1000

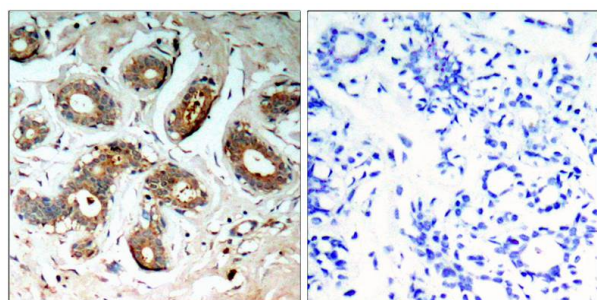
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

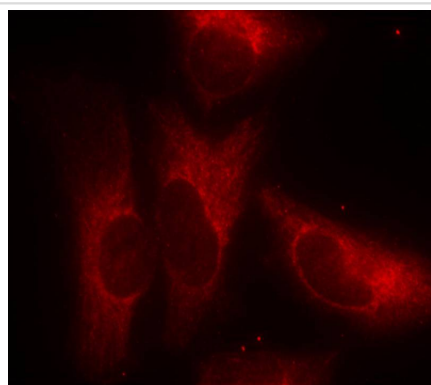
Images



Western blot analysis of extracts from HeLa cells untreated or treated with UV using 14-3-3z(Phospho-Ser58) Antibody #11181.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 14-3-3z(Phospho-Ser58) Antibody #11181(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using 14-3-3z(Phospho-Ser58) Antibody #11181.

Background

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.

Gu YM, et al. (2006) FEBS Lett ; 580(1): 305-310

Powell DW, et al. (2003) Mol Cell Biol; 23(15): 5376-5387

Mackintosh C. (2004) Biochem J; 381(Pt 2): 329-342.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.