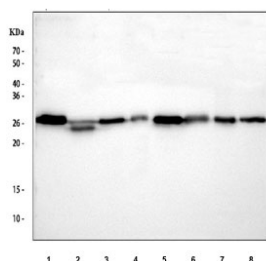


14-3-3 zeta/delta Antibody / YWHAZ (RQ4280)

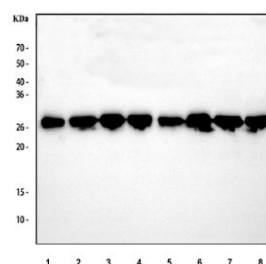
Catalog No.	Formulation	Size
RQ4280	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

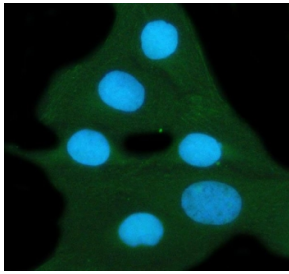
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P63104
Localization	Cytoplasm, nucleus
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml
Limitations	This 14-3-3 zeta antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat kidney, 3) rat RH35, 4) rat PC-12, 5) mouse brain, 6) mouse kidney, 7) mouse ANA-1 and 8) mouse Neuro-2a cell lysate with 14-3-3 zeta antibody. Predicted molecular weight ~28 kDa.



Western blot testing of human 1) HepG2, 2) ThP-1, 3) Raji, 4) A549, 5) A431, 6) PC-3, 7) MCF7 and 8) SiHa cell lysate with 14-3-3 zeta antibody. Predicted molecular weight ~28 kDa.



Immunofluorescent staining of FFPE human U-2 OS cells with 14-3-3 zeta antibody (green) at 2ug/ml and DAPI nuclear stain (blue). Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

14-3-3 protein zeta/delta is a protein that in humans is encoded by the YWHAZ gene on chromosome 8. 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.

Application Notes

Optimal dilution of the 14-3-3 zeta antibody should be determined by the researcher.

Immunogen

Amino acids LLEKFLIPNASQAESKVFYLMKGDYYRYLA EVAAGDDKKGIVDQ were used as the immunogen for the 14-3-3 zeta antibody.

Storage

After reconstitution, the 14-3-3 zeta antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.