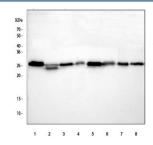


# 14-3-3 zeta/delta Antibody / YWHAZ (RQ4280)

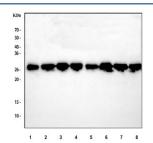
Catalog No.	Formulation	Size
RQ4280	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

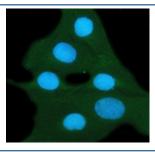
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P63104
Localization	Cytoplasm, 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.



Immuofluorescent 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 LLEKFLIPNASQAESKVFYLKMKGDYYRYLAEVAAGDDKKGIVDQ 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.