

## Anti-14-3-3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

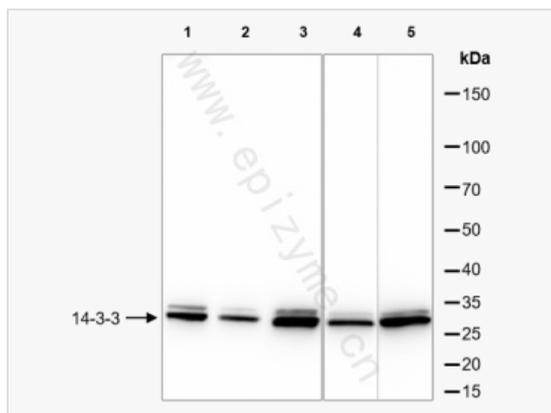
Catalog # R013868

### Product Information

Application	ELISA, WB, IF (Cell)/ICC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	24N91L04
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human 14-3-3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-14-3-3 Rabbit mAb [24N91L04] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	14 3 3 gamma, 14 3 3 protein gamma, 14 3 3 protein gamma subtype, 14 3 3gamma, 14-3-3 protein gamma, 1433G_HUMAN, 3 monooxygenase/tryptophan 5 monooxygenase activation protein gamma polypeptide, KCIP 1, KCIP-1, KCIP1, N-terminally processed, Protein kinase C inhibitor protein 1, Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein gamma polypeptide, Ywhag.
Calculated MW	Calculated MW: 27 kDa; Observed MW: 28 kDa
Uniprot ID	P31946, P63104
Gene ID	7529, 7534
Background	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. Negative regulator of osteogenesis.
Cellular Location	Cytoplasm. Melanosome.
Tissue Location	Highly expressed in brain, skeletal muscle, and heart.



Western Blot - Anti-14-3-3 Rabbit mAb [24N91L04]

All lanes: R013868 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HePG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 5: Rat spleen whole tissue lysates

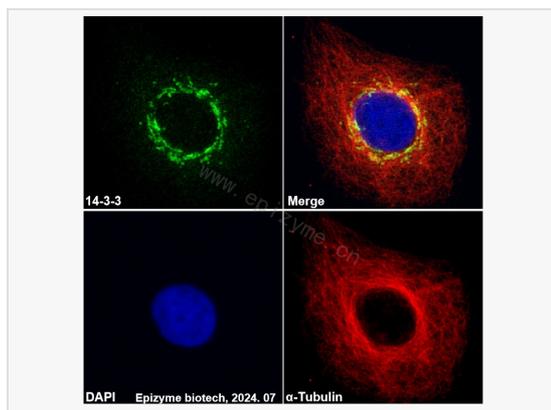
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 27 kDa

Observed band size: 28 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-14-3-3 Rabbit mAb [24N91L04]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013868 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).