Anti-14-3-3 gamma Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014082

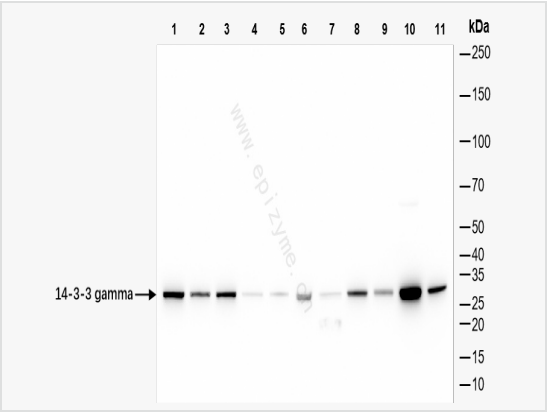
Product Information

Application	ELISA, IF (Cell)/ICC, WB, IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	36R86K80
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human 14-3-3 gamma
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 gamma Rabbit mAb [36R86K80] is for research use only and not for use in diagnostic or therapeutic procedures.

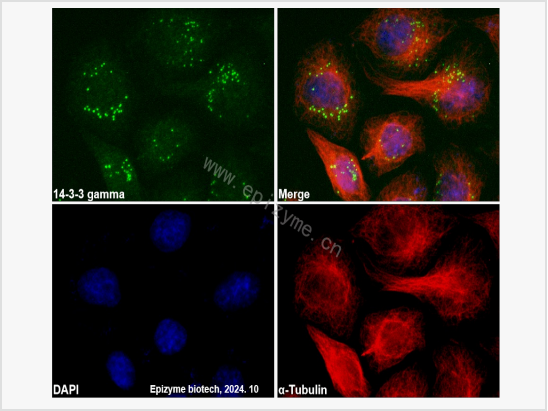
Protein Information

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 monooxgenase 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: 28 kDa; Observed MW: 28 kDa
Uniprot ID	P61981
Gene ID	7532
Background	Induce target protein conformational changes that modify target protein function. Distinct temporal and spatial expression patterns of 14-3-3 isoforms have been observed in development and in acute response to extracellular signals and drugs, suggesting that 14-3-3 isoforms may perform different functions despite their sequence similarities.
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in brain, skeletal muscle, and heart.

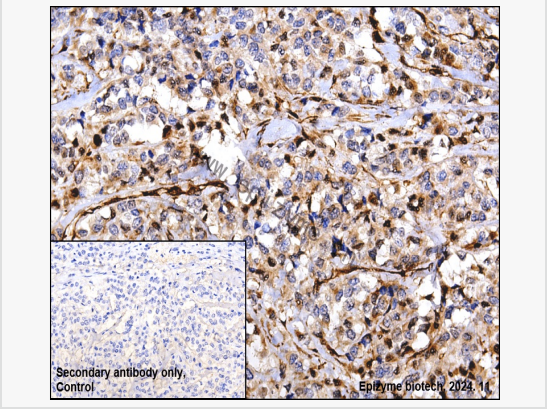
Validation Images



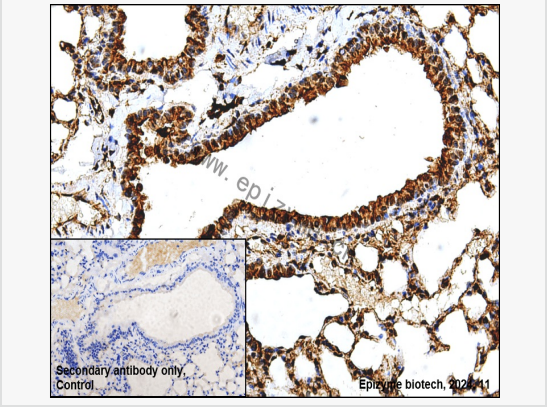
Western Blot - Anti-14-3-3 gamma Rabbit mAb [36R86K80]
All lanes: R014082 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Rat small intestine whole tissue lysates
Lane 7: Rat kidney whole tissue lysates
Lane 8: Rat spleen whole tissue lysates
Lane 9: Mouse heart whole tissue lysates
Lane10: Mouse brain whole tissue lysates
Lane11: Mouse muscle 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: 28 kDa
Observed band size: 28 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-14-3-3 gamma Rabbit mAb [36R86K80]
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: R014082 at 1:100 dilution and α-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).



Immunohistochemistry - Anti-14-3-3 gamma Rabbit mAb [36R86K80]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014082 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-14-3-3 gamma Rabbit mAb [36R86K80]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse lung tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014082 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.