Anti-Phospho-RNF2 (Ser168) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014426

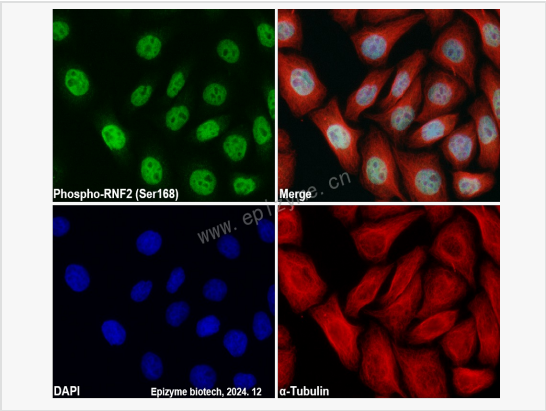
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	55C18A84
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser168 of human RNF2
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-Phospho-RNF2 (Ser168) Rabbit mAb [55C18A84] is for research use only and not for use in diagnostic or therapeutic procedures.

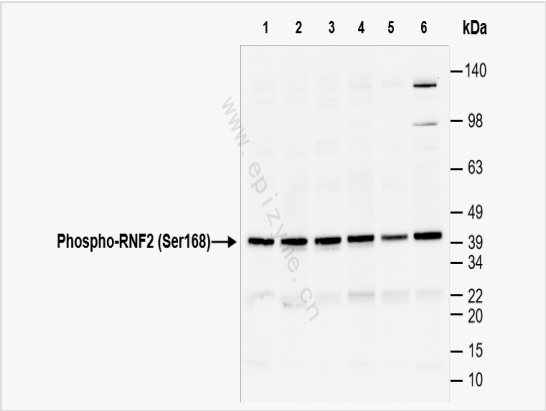
Protein Information

Synonyms	BAP 1, BAP1, DING, DinG protein, E3 ubiquitin protein ligase RING 2, E3 ubiquitin protein ligase RING2, E3 ubiquitin-protein ligase RING2, HIP2 interacting protein 3, HIP2-interacting protein 3, HIPI 3, HIPI3, Huntingtin interacting protein 2 interacting protein 3, Huntingtin-interacting protein 2-interacting protein 3, OTTHUMP00000060668, Polycomb M33 interacting protein Ring 1B, Polycomb M33 interacting protein Ring1B, Protein DinG, RING 1B, RING 2, RING finger protein 1B, RING finger protein 2, RING finger protein BAP 1, RING finger protein BAP-1, RING finger protein BAP1, RING1b, RING2_HUMAN, RNF 2, Rnf2.
Calculated MW	Calculated MW: 38 kDa; Observed MW: 40 kDa
Uniprot ID	Q99496, Q9CQJ4
Gene ID	6045, 19821
Background	Polycomb group (PcG) of proteins form the multiprotein complexes that are important for the transcription repression of various genes involved in development and cell proliferation. The protein encoded by this gene is one of the PcG proteins. It has been shown to interact with, and suppress the activity of, transcription factor CP2 (TFCP2/CP2). Studies of the mouse counterpart suggested the involvement of this gene in the specification of anterior-posterior axis, as well as in cell proliferation in early development. This protein was also found to interact with huntingtin interacting protein 2 (HIP2), an ubiquitin-conjugating enzyme, and possess ubiquitin ligase activity. [provided by RefSeq, Jul 2008]
Cellular Location	Nucleus. Chromosome. Enriched on inactive X chromosome (Xi) in female trophoblast stem (TS) cells as well as differentiating embryonic stem (ES) cells. The enrichment on Xi is transient during TS and ES cell differentiation. The

Validation Images



Immunofluorescence - Anti-Phospho-RNF2 (Ser168) Rabbit mAb [55C18A84]
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: R014426 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).



Western Blot - Anti-Phospho-RNF2 (Ser168) Rabbit mAb [55C18A84]
All lanes: R014426 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: C2C12 (Mouse myoblasts epithelial cell) whole cell 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: 38 kDa
Observed band size: 40 kDa
Developed using the ECL technique (Cat. No. SQ201).