Anti-RAP80 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014689

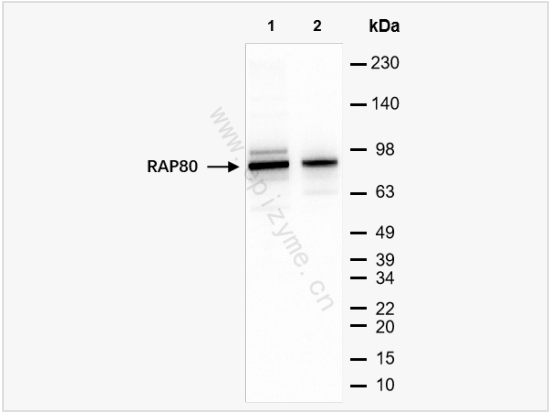
Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Human
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.	38A10D24
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human RAP80
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-RAP80 Rabbit mAb [38A10D24] is for research use only and not for use in diagnostic or therapeutic procedures.

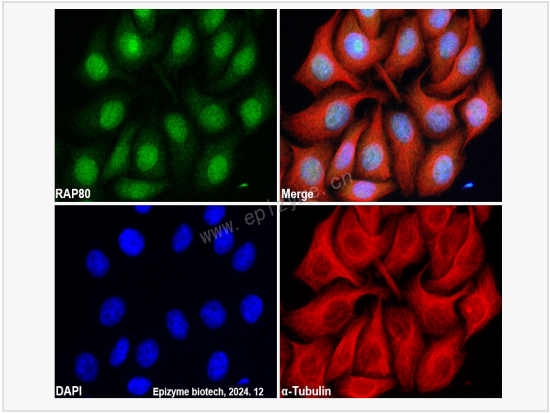
Protein Information

Synonyms	BRCA1-A complex subunit RAP80, Nuclear zinc finger protein RAP80, OTTHUMP00000161441, OTTHUMP00000223372, OTTHUMP00000223374, RAP80, Receptor associated protein 80, Receptor-associated protein 80, Retinoid X receptor interacting protein 110, Retinoid x receptor interacting protein, Retinoid X receptor-interacting protein 110, RIP110, Rxrip110, Ubiquitin interaction motif containing 1, Ubiquitin interaction motif containing protein 1, Ubiquitin interaction motif-containing protein 1, UIMC1, UIMC1_HUMAN, X2HRIP110.
Calculated MW	Calculated MW: 80 kDa; Observed MW: 80 kDa
Uniprot ID	Q96RL1
Gene ID	10418
Background	Ubiquitin-binding protein that specifically recognizes and binds 'Lys-63'-linked ubiquitin. Plays a central role in the BRCA1-A complex by specifically binding 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs).
Cellular Location	Nucleus. Localizes at sites of DNA damage at double-strand breaks.
Tissue Location	Expressed in testis, ovary, thymus and heart. Expressed in germ cells of the testis.

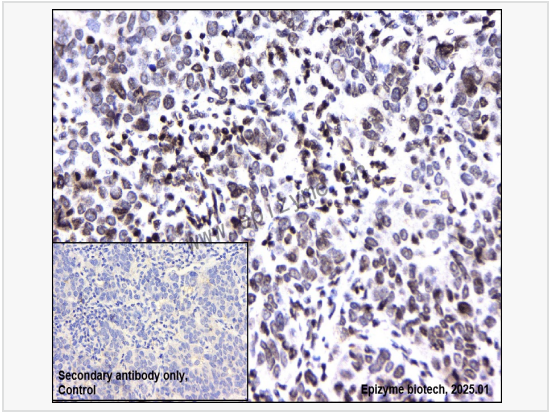
Validation Images



Western Blot - Anti-RAP80 Rabbit mAb [38A10D24]
All lanes: R014689 at 1:1,000 dilution
Lane 1: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 2: T24 (Human bladder cancer 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: 80 kDa
Observed band size: 80 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-RAP80 Rabbit mAb [38A10D24]
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: R014689 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 (CY3) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-RAP80 Rabbit mAb [38A10D24]
Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014689 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.