Anti-NUP62 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014817

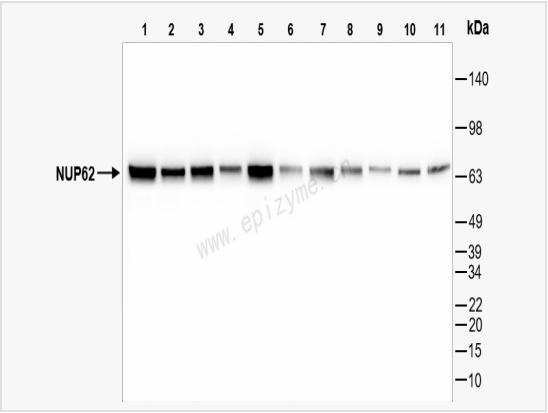
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat, 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.	35S62H23
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NUP62
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-NUP62 Rabbit mAb [35S62H23] is for research use only and not for use in diagnostic or therapeutic procedures.

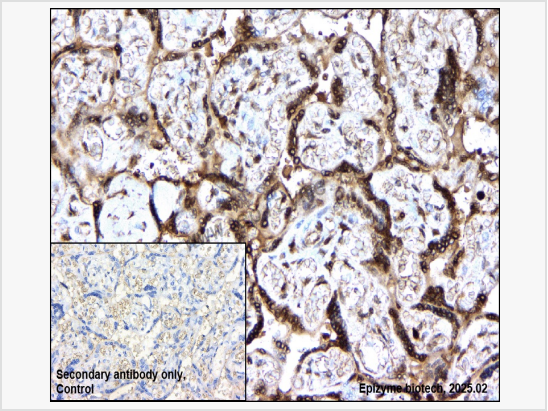
Protein Information

Synonyms	62 kDa nucleoporin, DKFZp547L134, FLJ20822, FLJ43869, IBSN, MGC841, Nuclear pore glycoprotein p62, nucleoporin 62kDa, Nucleoporin Nup62, nucleoporin p62, nucleoporin p62KD, NUP62, NUP62 protein, p62, SNDI.
Calculated MW	Calculated MW: 53 kDa; Observed MW: 70 kDa
Uniprot ID	P37198
Gene ID	23636
Background	The nuclear pore complex is a structure that extends across the nuclear envelope and regulates the flow of macromolecules between the cytoplasm and the nucleus. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells.
Cellular Location	Nucleus; nuclear pore complex. Cytoplasm; cytoskeleton; spindle pole. Note: Central region of the nuclear pore, within the transporter. During mitotic cell division, it associates with the poles of the mitotic spindle.

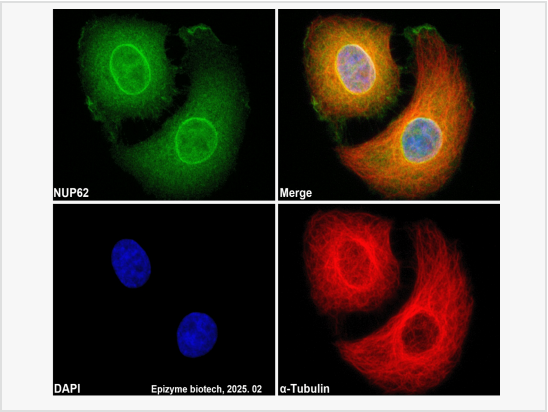
Validation Images



Western Blot - Anti-NUP62 Rabbit mAb [35S62H23]
All lanes: R014817 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: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 7: 293T (Human embryonic kidney cell) whole cell lysates
Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane11: PC-12 (Rat adrenal pheochromocytoma 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: 53 kDa
Observed band size: 70 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-NUP62 Rabbit mAb [35S62H23]
Sample: Paraformaldehyde-fixed, paraffin embedded human placenta tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014817 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.



Immunofluorescence - Anti-NUP62 Rabbit mAb [35S62H23]
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: R014817 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).