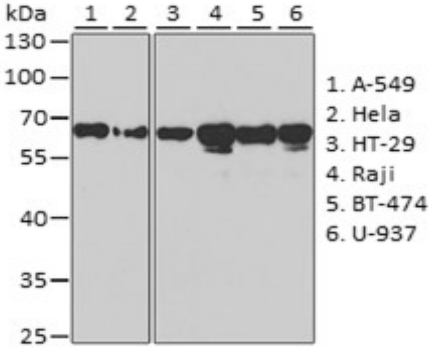
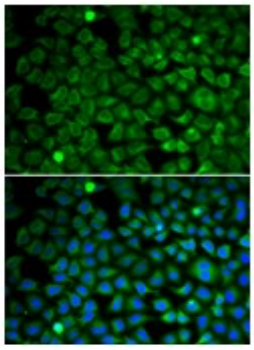
Product Name:	NUP62 Rabbit pAb
Catalog #:	Z1942-20; Z1942-100
Also Known As:	NUP62; IBSN; SNDI; p62
Quantity:	20 µl for Z1942-20; 100 µl for Z1942-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 403-522 of human NUP62 (NP_036478.2).
Swiss Prot. #:	P37198
Calculated MW:	53 kDa
Detected MW:	62 kDa
Applications:	WB (1:500 - 1:2,000) IHC (1:50 - 1:200) IF (1:10 - 1:100) IP (not tested) Note: Antibody dilution should be optimized by users.

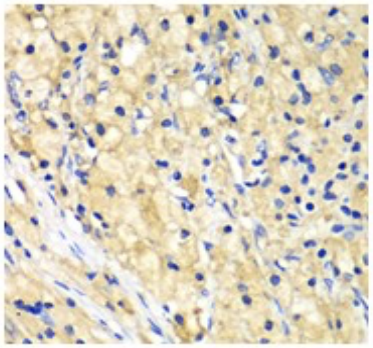
Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using NUP62 antibody (Z1942) at 1:1,000 dilution.



Immunofluorescence of U2OS cells using NUP62 antibody (Z1942) at 1:100 dilution. Blue: DAPI nuclear staining.



Immunohistochemistry of paraffin-embedded human lung cancer using NUP62 antibody (Z1942) at 1:100 dilution.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	NUP62 is a ubiquitously-expressed protein that is an essential component of the nuclear pore complex(NPC). The N-terminal is probably involved in nucleocytoplasmic transport. The C-terminal is involved in protein-protein interaction probably via coiled-coil formation, promotes its association with centrosomes and may function in anchorage of p62 to the pore complex. Plays a role in mitotic cell cycle progression by regulating centrosome segregation, centriole maturation and spindle orientation. It might be involved in protein recruitment to the centrosome after nuclear breakdown.
Reference:	1. Carmo - Fonseca M, et al. (1991) J Cell Biol 55, 17 - 30. 2. Jo DG, et al. (2004) Mol Cell Biol 24, 9763 - 9770.