

ARG44114 anti-NUP37 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes NUP37
Tested Reactivity	Hu, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NUP37
Species	Human
Immunogen	Human NUP37 recombinant protein (Position: R7-D231).
Conjugation	Un-conjugated
Alternate Names	NUP37; Nucleoporin 37; Nup107-160 Subcomplex Subunit Nup37; Nucleoporin 37kDa; Nucleoporin Nup37; FLJ22618; MGC5585; P37; MCPH24

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25 - 0.5 µg/ml

Application Note The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

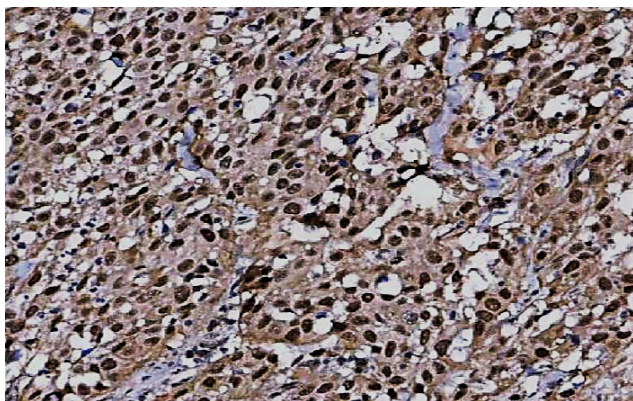
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

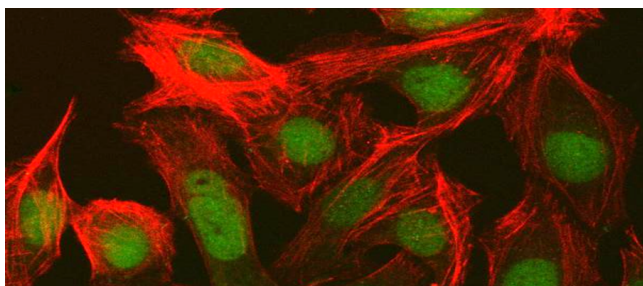
Gene Symbol	NUP37
Gene Full Name	Nucleoporin 37
Background	Nuclear pore complexes (NPCs) are used for transporting macromolecules between the cytoplasm and the nucleus. NPCs consist of multiple copies of 30 distinct proteins (nucleoporins), which assemble into biochemically-separable subcomplexes. The protein encoded by this gene is part of a subcomplex (Nup107-160) that is required for proper NPC function as well as for normal kinetochore-microtubule interaction and mitosis.
Function	Component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex is required for the assembly of a functional NPC. The Nup107-160 subcomplex is also required for normal kinetochore microtubule attachment, mitotic progression and chromosome segregation.
Calculated Mw	37 kDa
Cellular Localization	Centromere, Chromosome, Kinetochore, Nuclear pore complex, Nucleus

Images



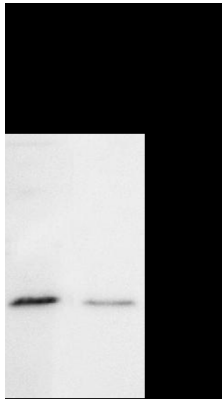
ARG44114 anti-NUP37 antibody IHC-P image

Immunohistochemistry: Human bladder urothelial carcinoma stained with ARG44114 anti-NUP37 antibody at 2 µg/ml dilution.



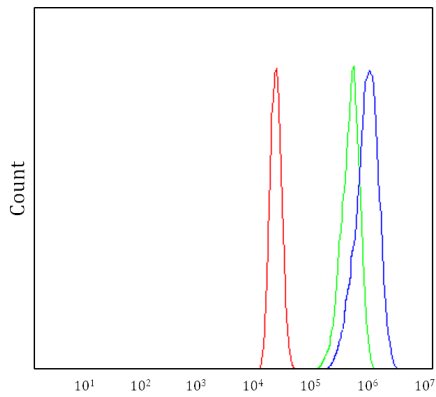
ARG44114 anti-NUP37 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44114 anti-NUP37 antibody at 5 µg/ml dilution.



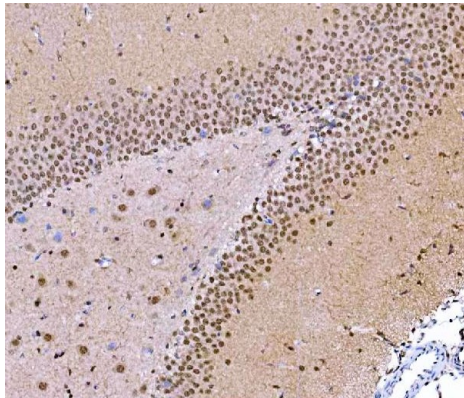
ARG44114 anti-NUP37 antibody WB image

Western blot: K562 and HepG2 stained with ARG44114 anti-NUP37 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG44114 anti-NUP37 antibody FACS image

Flow Cytometry: MCF-7 stained with ARG44114 anti-NUP37 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG44114 anti-NUP37 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG44114 anti-NUP37 antibody at 2 $\mu\text{g}/\text{ml}$ dilution.



ARG44114 anti-NUP37 antibody IHC-P image

Immunohistochemistry: Human ovarian cancer stained with ARG44114 anti-NUP37 antibody at 2 $\mu\text{g}/\text{ml}$ dilution.