

ARG44115 anti-NUP54 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes NUP54
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NUP54
Species	Human
Immunogen	Human NUP54 recombinant protein (Position: Q166-H493).
Conjugation	Un-conjugated
Alternate Names	NUP54; Nucleoporin 54; 54 KDa Nucleoporin; Nucleoporin 54kDa; Nucleoporin P54; Nucleoporin 54kD; DYT37

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	0.1-0.25 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.

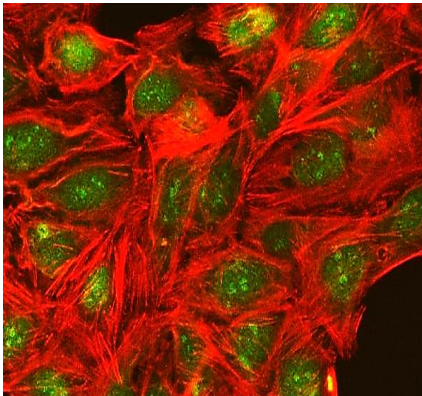
Note

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

Bioinformation

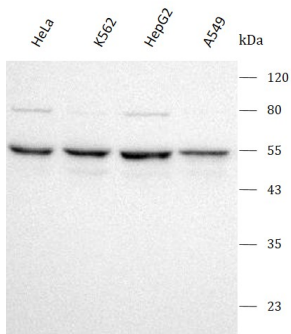
Gene Symbol	NUP54
Gene Full Name	Nucleoporin 54
Background	The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the nucleus and the cytoplasm. These complexes are composed of at least 100 different polypeptide subunits, many of which belong to the nucleoporin family. This gene encodes a member of the phe-gly (FG) repeat-containing nucleoporin subset. Multiple alternatively spliced transcript variants have been found for this gene.
Function	Component of the nuclear pore complex, a complex required for the trafficking across the nuclear membrane.
Calculated Mw	55 kDa
PTM	Glycoprotein
Cellular Localization	Membrane, Nuclear pore complex, Nucleus

Images



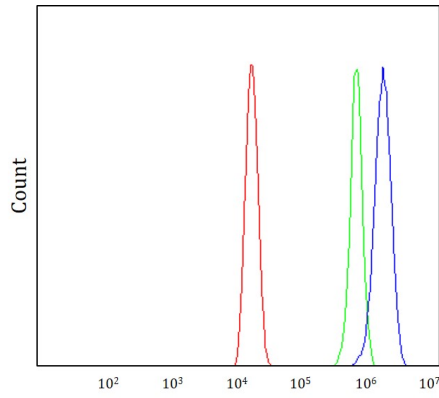
ARG44115 anti-NUP54 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44115 anti-NUP54 antibody at 5 µg/ml dilution.



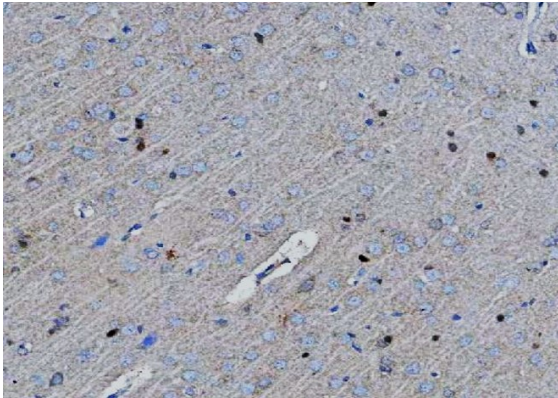
ARG44115 anti-NUP54 antibody WB image

Western blot: HeLa, K562, HepG2 and A549 stained with ARG44115 anti-NUP54 antibody at 0.25 µg/ml dilution.



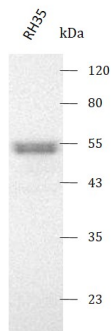
ARG44115 anti-NUP54 antibody FACS image

Flow Cytometry: HeLa stained with ARG44115 anti-NUP54 antibody at $1 \mu\text{g}/10^6$ cells dilution.



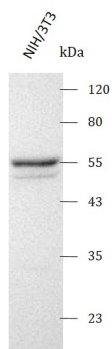
ARG44115 anti-NUP54 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG44115 anti-NUP54 antibody at $2 \mu\text{g}/\text{ml}$ dilution.



ARG44115 anti-NUP54 antibody WB image

Western blot: RH35 stained with ARG44115 anti-NUP54 antibody at $0.25 \mu\text{g}/\text{ml}$ dilution.



ARG44115 anti-NUP54 antibody WB image

Western blot: NIH/3T3 stained with ARG44115 anti-NUP54 antibody at $0.25 \mu\text{g}/\text{ml}$ dilution.