ARG44113
anti-NUMA1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes NUMA1
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NUMA1
Species	Human
Immunogen	Human NUMA1 recombinant protein (Position: M1-E1954).
Conjugation	Un-conjugated
Alternate Names	NUMA1; Nuclear Mitotic Apparatus Protein 1; NUMA; Nuclear Matrix Protein-22; SP-H Antigen; NMP-22; Centrophilin Stabilizes Mitotic Spindle In Mitotic Cells; Nuclear Mitotic Apparatus Protein; Structural Nuclear Protein; NuMA Protein; NMP22

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
IHC-P	1 - 2 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

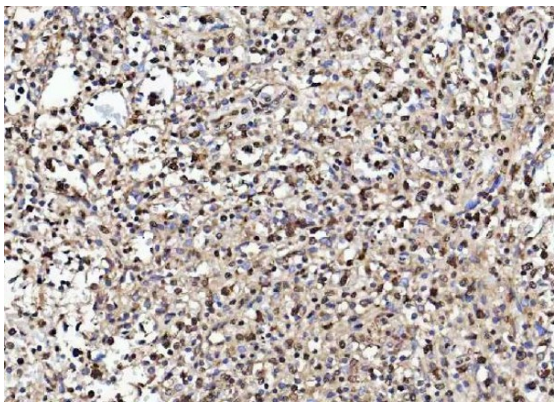
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. 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

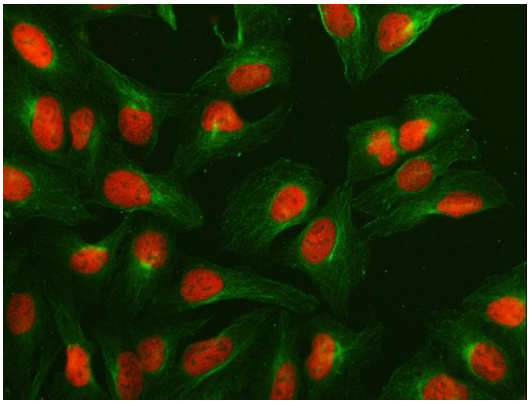
Gene Symbol	NUMA1
Gene Full Name	Nuclear Mitotic Apparatus Protein 1
Background	This gene encodes a large protein that forms a structural component of the nuclear matrix. The encoded protein interacts with microtubules and plays a role in the formation and organization of the mitotic spindle during cell division. Chromosomal translocation of this gene with the RARA (retinoic acid receptor, alpha) gene on chromosome 17 have been detected in patients with acute promyelocytic leukemia. Alternative splicing results in multiple transcript variants.
Function	Microtubule (MT)-binding protein that plays a role in the formation and maintenance of the spindle poles and the alignement and the segregation of chromosomes during mitotic cell division.
Calculated Mw	238 kDa
PTM	Acetylation, ADP-ribosylation, Glycoprotein, Isopeptide bond, Lipoprotein, Phosphoprotein, Ubl conjugation
Cellular Localization	Cell membrane, Chromosome, Cytoplasm, Cytoskeleton, Membrane, Microtubule, Nucleus

Images



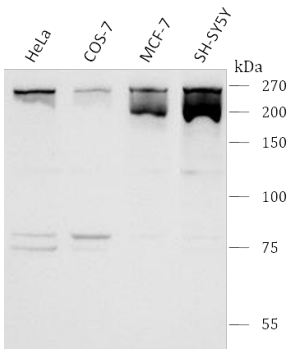
ARG44113 anti-NUMA1 antibody IHC-P image

Immunohistochemistry: Human acinar adenocarcinoma of prostate stained with ARG44113 anti-NUMA1 antibody at 2 µg/ml dilution.



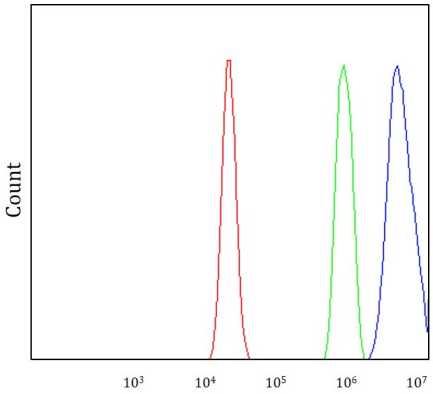
ARG44113 anti-NUMA1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44113 anti-NUMA1 antibody at 5 µg/ml dilution.



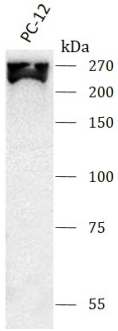
ARG44113 anti-NUMA1 antibody WB image

Western blot: Hela, COS-7, MCF-7 and SH-SY5Y stained with ARG44113 anti-NUMA1 antibody at 0.5 µg/ml dilution.



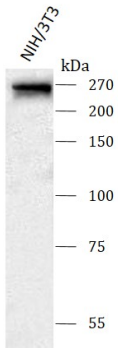
ARG44113 anti-NUMA1 antibody FACS image

Flow Cytometry: RT4 stained with ARG44113 anti-NUMA1 antibody at 1 µg/10^6 cells dilution.



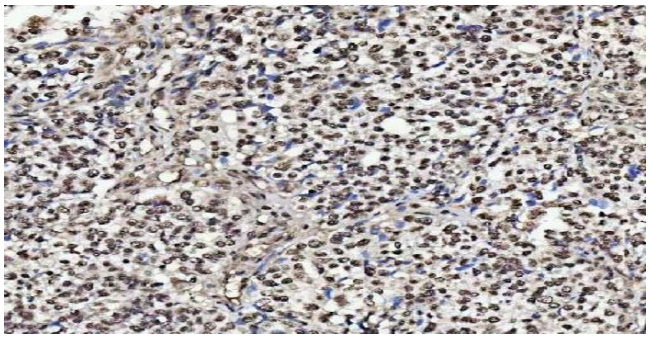
ARG44113 anti-NUMA1 antibody WB image

Western blot: PC-12 stained with ARG44113 anti-NUMA1 antibody at 0.5 µg/ml dilution.



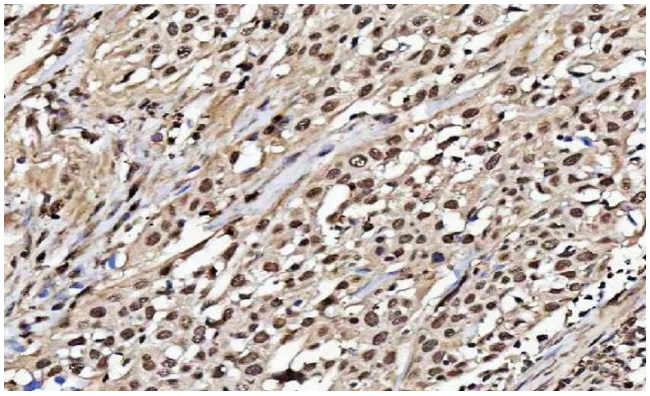
ARG44113 anti-NUMA1 antibody WB image

Western blot: NIH/3T3 stained with ARG44113 anti-NUMA1 antibody at 0.5 µg/ml dilution.



ARG44113 anti-NUMA1 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG44113 anti-NUMA1 antibody at 2 µg/ml dilution.



ARG44113 anti-NUMA1 antibody IHC-P image

Immunohistochemistry: Human esophageal squamous carcinoma stained with ARG44113 anti-NUMA1 antibody at 2 µg/ml dilution.