

ARG45396 anti-Nesprin 2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Nesprin 2
Tested Reactivity	Hu, Mk
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nesprin 2
Species	Human
Immunogen	Recombinant protein containing to human Nesprin 2.
Conjugation	Un-conjugated
Alternate Names	SYNE2; Spectrin Repeat Containing Nuclear Envelope Protein 2; Nesprin-2; NUA; KIAA1011; SYNE-2; NUANCE; Nesp2; Spectrin Repeat Containing, Nuclear Envelope 2; Nucleus And Actin Connecting Element Protein; Nuclear Envelope Spectrin Repeat Protein 2; Synaptic Nuclear Envelope Protein 2; KASH Domain-Containing Protein 2; DKFZP434H2235; KASH2; Nucleus And Actin Connecting Element; Nuclear Envelope Spectrin Repeat-2; Synaptic Nuclei Expressed Gene 2; Nesprin-2 Spectrin Repeats 3-54; Protein NUANCE; Polytrophin; Nesprin 2; Syne-2; EDMD5; TROPH

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.	
Observed Size	50-60 kDa	

Properties

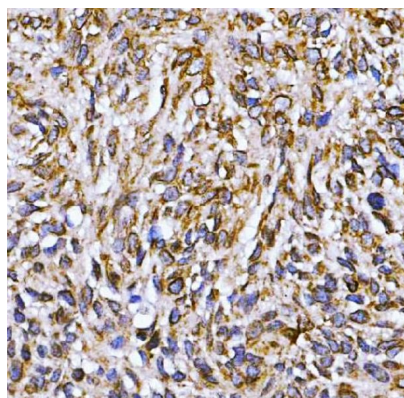
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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

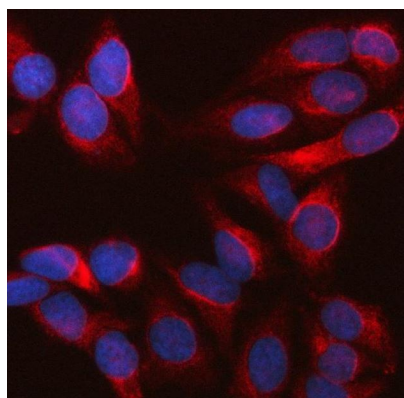
Gene Symbol	SYNE2
Gene Full Name	Spectrin Repeat Containing Nuclear Envelope Protein 2
Background	The protein encoded by this gene is a nuclear outer membrane protein that binds cytoplasmic F-actin. This binding tethers the nucleus to the cytoskeleton and aids in the maintenance of the structural integrity of the nucleus. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Function	Multi-isomeric modular protein which forms a linking network between organelles and the actin cytoskeleton to maintain the subcellular spatial organization. As a component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. [UniProt]
Calculated Mw	97 kDa
PTM	Acetylation; Disulfide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cell junction; Cell membrane; Cytoplasm; Cytoskeleton; Membrane; Mitochondrion; Nucleus; Sarcoplasmic reticulum. [UniProt]

Images



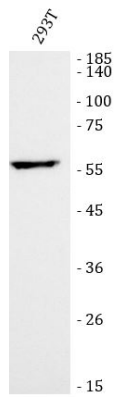
ARG45396 anti-Nesprin 2 antibody IHC-P image

Immunohistochemistry: Human penis squamous cell carcinoma stained with ARG45396 anti-Nesprin 2 antibody at 2 µg/ml dilution.



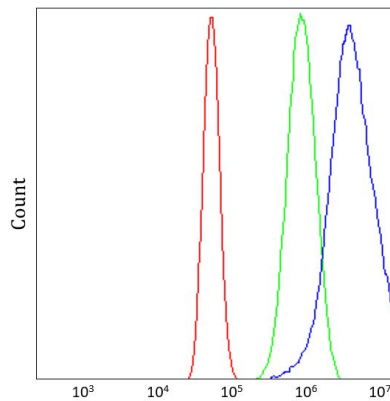
ARG45396 anti-Nesprin 2 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG45396 anti-Nesprin 2 antibody at 5 µg/ml dilution.



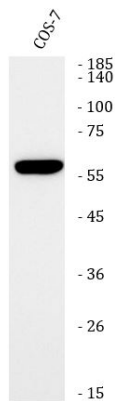
ARG45396 anti-Nesprin 2 antibody WB image

Western blot: 293T stained with ARG45396 anti-Nesprin 2 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45396 anti-Nesprin 2 antibody FACS image

Flow Cytometry: U87 stained with ARG45396 anti-Nesprin 2 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG45396 anti-Nesprin 2 antibody WB image

Western blot: COS-7 stained with ARG45396 anti-Nesprin 2 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.