

Nesprin 3 Rabbit pAb

Catalog # AP99403

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6ZMZ3
Other Accession	Q6ZMZ3
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112216
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Nesprin 3
Epitope Specificity	201-300/975
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the nesprin family. Contains 1 KASH domain. Contains 2 spectrin repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	161176
Other Names	C8H14orf49; C14orf139; C14orf49; KASH3; LINC00341; NCRNA00341; NET53; Nesp3; nesprin-3; RGD1304563; SYNE3_HUMAN; SYNE3; KASH domain-containing protein 3 (KASH3); Nuclear envelope spectrin repeat protein 3; SYNE3_MOUSE; spectrin repeat containing nuclear envelope family member 3; chromosome 14 open reading frame 49; long intergenic non-protein coding RNA 341; chromosome 14 open reading frame 139; non-protein coding RNA 341
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SYNE3 (HGNC:19861)
Function	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. Probable anchoring protein which tethers the nucleus to the cytoskeleton by binding PLEC which can associate with the intermediate filament system. Plays a role in the regulation of aortic epithelial cell morphology, and is required for flow-induced centrosome polarization and directional migration in aortic endothelial cells.

Cellular Location

Nucleus outer membrane; Single-pass type IV membrane protein. Nucleus envelope. Rough endoplasmic reticulum

Tissue Location

Expressed in aortic endothelial cells (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.