

Nesprin-3 rabbit pAb

Cat No.:ES4963

For research use only

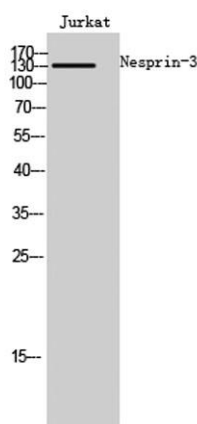
Overview

Product Name	Nesprin-3 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human C14orf49. AA range:169-218
Specificity	Nesprin-3 Polyclonal Antibody detects endogenous levels of Nesprin-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Nesprin-3
Gene Name	SYNE3
Cellular localization	Nucleus outer membrane ; Single-pass type IV membrane protein . Nucleus envelope . Rough endoplasmic reticulum .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	115kD
Human Gene ID	161176
Human Swiss-Prot Number	Q6ZMZ3
Alternative Names	SYNE3; C14orf49; Nesprin-3; Nuclear envelope spectrin repeat protein 3
Background	function:Involved in the maintenance of nuclear organization and structural integrity. Probable anchoring protein which theters the nucleus to the

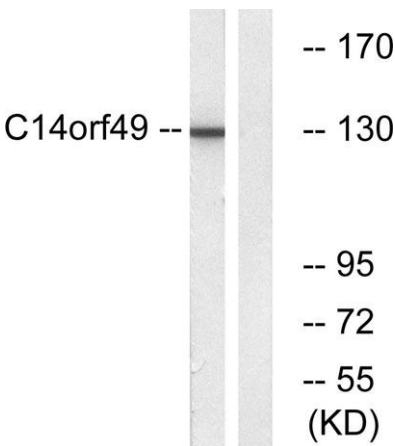




cytoskeleton by binding PLEC1/Plectin which can associate with the intermediate filament system.,similarity:Belongs to the nesprin family.,similarity:Contains 1 KASH domain.,similarity:Contains 2 spectrin repeats.,subcellular location:Located at the rough reticulum endoplasmic (RER) in some cells.,subunit:Interacts with actin-binding domain of PLEC1/plectin.,



Western Blot analysis of Jurkat cells using Nesprin-3 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysates from Jurkat cells, using C14orf49 Antibody. The lane on the right is blocked with the synthesized peptide.

