



Nesprin-3 rabbit pAb

Cat No.:ES4963

For research use only

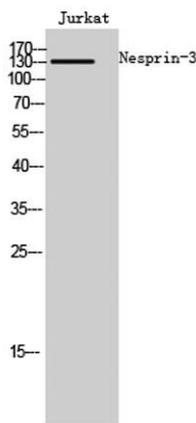
Overview

| | |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

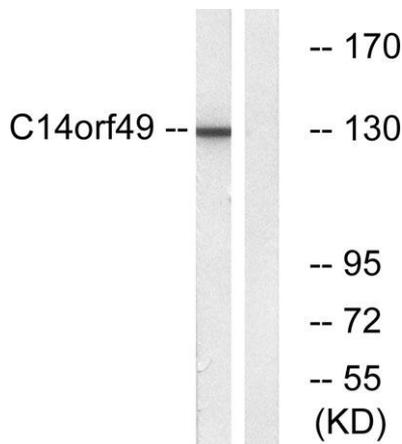




cytoskeleton by binding PLEC1/Plectin which can associate with the intermediate filament system.,similarity:Belongs to the nesprin family.,similarity:Contains 1 KASH domain.,similarity:Contains 2 spectrin repeats.,subcellular location:Located at the rough reticulum endoplasmic (RER) in some cells.,subunit:Interacts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

