



Datasheet for ABIN3032078
anti-NUP50 antibody (AA 432-461)



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3 Images

Overview

Quantity:	0.4 mL
Target:	NUP50
Binding Specificity:	AA 432-461
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUP50 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 432-461 from the human protein was used as the immunogen for this NUP50 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat
Purification:	Purified

Target Details

Target:	NUP50
Alternative Name:	NUP50 (NUP50 Products)
Background:	The nuclear pore complex is a massive structure that extends across the nuclear envelope,

Target Details

forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. NUP50 is a member of the FG-repeat containing nucleoporins that functions as a soluble cofactor in importin-alpha:beta-mediated nuclear protein import. NUP50 may serve as a binding site on the nuclear side of the pore complex for export receptor-cargo complexes. It interacts with multiple transport receptor proteins including p27Kip1. This interaction is required for correct intracellular transport and degradation of p27Kip1.

UniProt: [Q9UKX7](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Titration of the NUP50 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

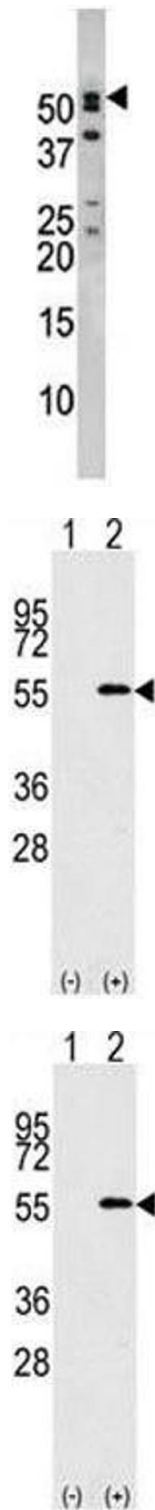
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot the NUP50 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of anti-NUP50 antibody and mouse brain tissue lysate

Western Blotting

Image 2. Western blot analysis of NUP50 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NUP50 gene (2).

Western Blotting

Image 3. Western blot analysis of NUP50 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NUP50 gene (2).