

Datasheet for ABIN2786439 anti-NUP43 antibody (Middle Region)



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1 Image

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Overview

Quantity:	100 µL
Target:	NUP43
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUP43 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NUP43
Sequence:	HQSVISSWLS TDKAKDRIE TSLPSRSLS VNTLDVLGPC LVCCTDAEAI
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NUP43. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NUP43
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Target Details

Alternative Name:	NUP43 (NUP43 Products)
Background:	<p>NUP43 is the component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex is required for the assembly of a functional NPC. The Nup107-160 subcomplex is also required for normal kinetochore microtubule attachment, mitotic progression and chromosome segregation. Bidirectional transport of macromolecules between the cytoplasm and nucleus occurs through nuclear pore complexes (NPCs) embedded in the nuclear envelope. NPCs are composed of subcomplexes, and NUP43 is part of one such subcomplex, Nup107-160 (Loiodice et al., 2004 [PubMed 15146057]). [supplied by OMIM].</p> <p>PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-10 BG567254.1 2-11 11-24 CB989591.1 28-41 25-47 AK074311.1 1-23 48-1751 AF514997.1 1-1704 1752-2581 BC047539.1 2681-3510 2582-2745 BC046637.1 2350-2513 2746-2818 BG527619.1 33-105 c 2819-3862 BC046637.1 2587-3630</p> <p>Alias Symbols: FLJ13287, bA350J20.1, p42</p> <p>Protein Interaction Partner: UBC, SUMO1, SEH1L, DCTN2, TP53RK, RAB3GAP2, NUP107, UBD, ISG15, CUL4A, DDB1, Nup98, NUP37, NUP85, NUP133, NUP160,</p> <p>Protein Size: 380</p>
Molecular Weight:	42 kDa
Gene ID:	348995
NCBI Accession:	NM_198887 , NP_942590
UniProt:	Q8NFH3

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 380 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

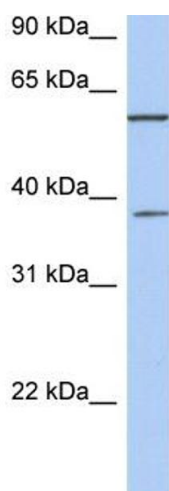
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: Molecular systems biology , Vol. 3, pp. 89, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-NUP43 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human Thymus