10320 Camino Santa Fe, Suite G
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NUP43 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57576

Specification

NUP43 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC**
Primary Accession	Q8NFH3
Reactivity	**Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human NUP43**
Epitope Specificity	**1-100/380**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Nucleus; nuclear pore complex.**
SIMILARITY	**Contains 6 WD repeats.**
SUBUNIT	**Component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex includes NUP160, NUP133, NUP107, NUP98, NUP85, NUP43, NUP37, SEH1 and SEC13.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
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, Mar 2008]

NUP43 Polyclonal Antibody - Additional Information

Gene ID 348995

Other Names
Nucleoporin Nup43, Nup107-160 subcomplex subunit Nup43, p42, NUP43

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A

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Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

NUP43 Polyclonal Antibody - Protein Information

Name NUP43

Function
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.

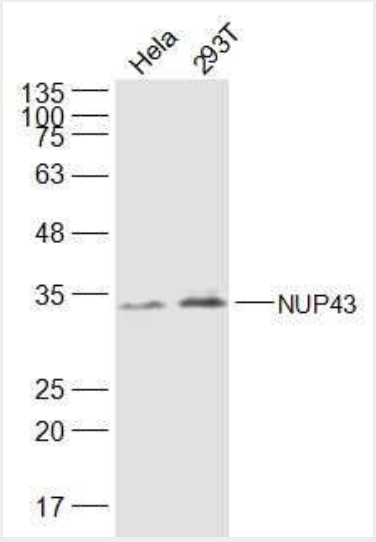
Cellular Location
Chromosome, centromere, kinetochore. Nucleus, nuclear pore complex

NUP43 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NUP43 Polyclonal Antibody - Images



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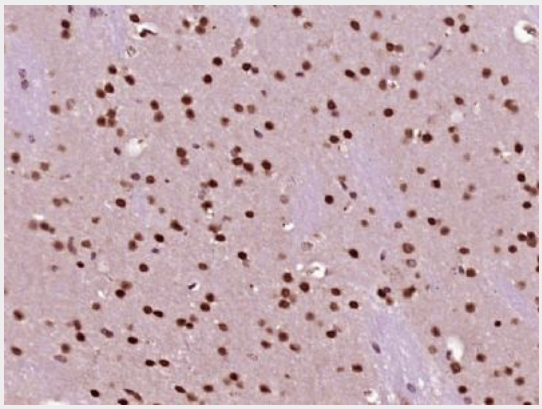
Sample:
Hela(Human) Cell Lysate at 30 ug
293T(Human) Cell Lysate at 30 ug
Primary: Anti-NUP43 (bs-19545R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 30 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NUP43) Polyclonal Antibody, Unconjugated (bs-19545R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.