Product Datasheet

Senataxin Antibody
NBP1-94712SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Reviews: 1 Publications: 1

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Updated 6/15/2014 v.20.1

NBP1-94712SS

Senataxin Antibody

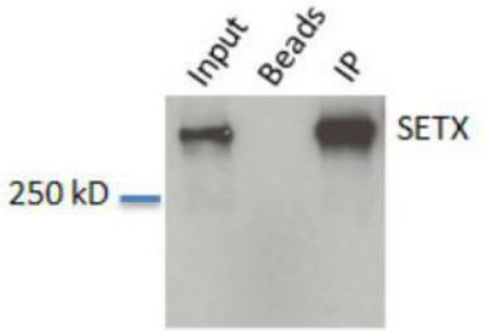
Product Information	
Unit Size	0.025 ml
Concentration	0.54 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Affinity purified
Buffer	PBS, 30% glycerol

Product Description	
Host	Rabbit
Gene ID	23064
Gene Symbol	SETX
Species	Human
Species Reactivity	Human
Immunogen	A genomic peptide made to an internal portion of the human Senataxin protein (between residues 600-750) [UniProt Q7Z333]

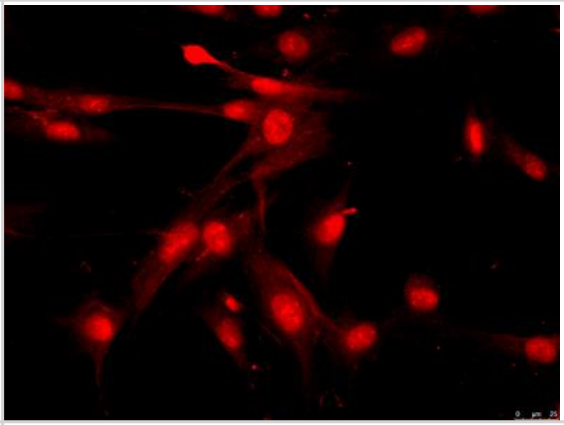
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation 1:500, Western Blot 1:500
Application Notes	This Senataxin antibody is useful for Immunocytochemistry/Immunofluorescence, Immunoprecipitation, and Western Blot. In ICC/IF, nuclear staining was observed in HeLa cells. In IP and Western Blot a band is seen ~300kDa.

Images

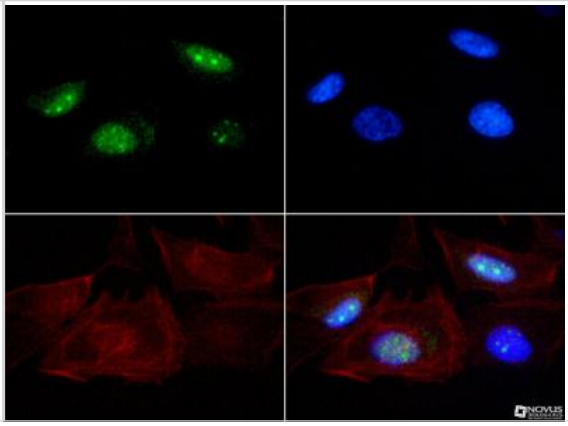
Western Blot: Senataxin Antibody [NBP1-94712] - WB analysis of Senataxin in: A. HeLa whole cell lysate, B. Beads without antibody IP control and C. IP from HeLa lysate.



Immunocytochemistry/Immunofluorescence: Senataxin Antibody [NBP1-94712] - Senataxin immunofluorescence in fibroblasts. Image from verified customer review.



Immunocytochemistry/Immunofluorescence: Senataxin Antibody [NBP1-94712] - Senataxin antibody was tested at 1:100 in HeLa cells with FITC (green). Nuclei and actin were counterstained with DAPI (blue) and Phalloidin (red).



Publications

Richard P, Feng S, Manley JL. A SUMO-dependent interaction between Senataxin and the exosome, disrupted in the neurodegenerative disease AOA2, targets the exosome to sites of transcription-induced DNA damage. Genes Dev. 2013 Oct 15 [PMID: 24105744] (WB, Human)

Procedures

Western Blot protocol for Senataxin Antibody (NBP1-94712)
Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 40 ug of total protein per lane.
2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot.
5. Block the membrane using standard blocking buffer for at least 1 hour.
6. Wash the membrane in wash buffer three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate 1 hour at room temperature.
8. Wash the membrane in wash buffer three times for 10 minutes each.
9. Apply the diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

*Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

Immunocytochemistry/Immunofluorescence Protocol for Senataxin Antibody (NBP1-94712)
Immunocytochemistry Protocol

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.
1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:250000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures."

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.