

# Product Datasheet

## Aprataxin Antibody - BSA Free NB100-534

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-534**

Aprataxin Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

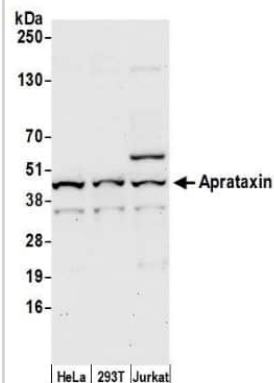
Product Description	
Description	Novus Biologicals Rabbit Aprataxin Antibody - BSA Free (NB100-534) is a polyclonal antibody validated for use in WB and IP. Anti-Aprataxin Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	54840
Gene Symbol	APTX
Species	Human
Specificity/Sensitivity	NB100-534 is specific for human Aprataxin protein.
Immunogen	The immunogen recognized by this antibody maps to a region between residues 100 and 150 of human Aprataxin using the numbering given in SwissProt Entry Q7Z2E3 (GeneID 54840).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot, Immunoprecipitation 1 - 4 ug/mg lysate
Application Notes	Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows. Western Blot: 1:10,000 - 1:25,000. Immunoprecipitation: 1 to 4 ug/mg lysate. Histo/Cytochemistry: not tested *In some cases, the antibody may be diluted further than indicated.

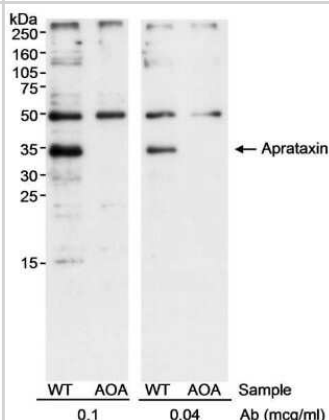


## Images

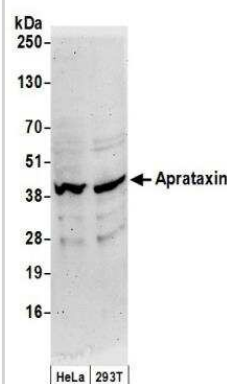
Western Blot: Aprataxin Antibody [NB100-534] - Detection of human Aprataxin by western blot. Samples: Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Aprataxin antibody NB100-534 used for WB at 0.1 µg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot: Aprataxin Antibody [NB100-534] - Whole cell lysate (50 µg) from normal human lymphoblasts (C3ABR cells; WT) or lymphoblasts from an AOA patient (738RM cells; AOA). Antibody used at 0.1 and 0.04 µg/ml.



Western Blot: Aprataxin Antibody [NB100-534] - Detection of Human Aprataxin by Western Blot. Samples: Whole cell lysate (50 µg) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Aprataxin antibody NB100-534 used for WB at 0.04 µg/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

Chu C, Qu K, Zhong FL et al. Genomic maps of long noncoding RNA occupancy reveal principles of RNA-chromatin interactions. *Mol Cell* 2011-11-18 [PMID: 21963238]

Asai H, Hirano M, Shimada K et al. Protein kinase C gamma, a protein causative for dominant ataxia, negatively regulates nuclear import of recessive-ataxia-related aprataxin. *Hum Mol Genet* 2009-10-01 [PMID: 19561170]

Biton S, Dar I, Mittelman L et al. Nuclear ataxia-telangiectasia mutated (ATM) mediates the cellular response to DNA double strand breaks in human neuron-like cells. *J Biol Chem* 2006-06-01 [PMID: 16627474]

Luo H, Chan DW, Yang T et al. A new XRCC1-containing complex and its role in cellular survival of methyl methanesulfonate treatment. *Mol Cell Biol* 2004-10-01 [PMID: 15367657]

Sykora P, Croteau DL, Bohr VA, Wilson DM 3rd. Aprataxin localizes to mitochondria and preserves mitochondrial function. *Proc Natl Acad Sci U S A.* 2011-04-18 [PMID: 21502511]



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### **Products Related to NB100-534**

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NBL1-17537	UbcH7/UBE2L3 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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.

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