

Datasheet for ABIN2777649  
**anti-Aprataxin antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	Aprataxin (APTX)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Dog, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aprataxin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human APTX
Sequence:	MMRVCWLVRQ DSRHQIRLP HLEAVVIGRG PETKITDKKC SRQQVQLKAE
Predicted Reactivity:	Dog: 85%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against APTX. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	Aprataxin (APTX)
Alternative Name:	APTX ( <a href="#">APTX Products</a> )

## Target Details

Background:	<p>APTX is a member of the histidine triad (HIT) superfamily, some of which have nucleotide-binding and diadenosine polyphosphate hydrolase activities. APTX may play a role in single-stranded DNA repair. Mutations in this gene have been associated with ataxia-ocular apraxia. This gene encodes a member of the histidine triad (HIT) superfamily, some of which have nucleotide-binding and diadenosine polyphosphate hydrolase activities. The encoded protein may play a role in single-stranded DNA repair. Mutations in this gene have been associated with ataxia-ocular apraxia. Multiple transcript variants encoding distinct isoforms have been identified for this gene, however, the full length nature of some variants has not been determined.</p> <p>Alias Symbols: AOA, AOA1, AXA1, EAOH, EOAHA, FHA-HIT</p> <p>Protein Interaction Partner: PNMA1, UBC, SUMO1, NEDD8, LIG3, HSPA4, XRCC1, DDX21, CNTROB, TSPYL2, CALCOCO1, SYT17, ZNF639, MAPKBP1, CEP350, PICK1, XRCC4, TRIM37, MBP, HIVEP1, BANF1, PARP1, TP53,</p> <p>Protein Size: 342</p>
Molecular Weight:	38 kDa
Gene ID:	54840
NCBI Accession:	<a href="#">NM_175073</a> , <a href="#">NP_778243</a>
UniProt:	<a href="#">Q6JV85</a>
Pathways:	<a href="#">DNA Damage Repair</a> , <a href="#">Chromatin Binding</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 342 AA
Restrictions:	For Research Use only

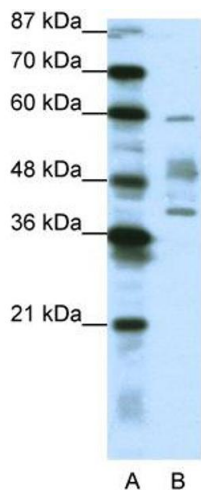
## Handling

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

Handling

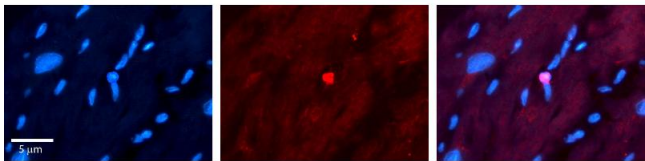
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store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

Images



Western Blotting

**Image 1.** WB Suggested Anti-APT<sub>X</sub> Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: NCI-H226 cell lysate



Immunohistochemistry

**Image 2.** Rabbit Anti-APT<sub>X</sub> Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Nucleus Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec