

Product datasheet for **TA345604**

Aprataxin (APTX) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-APTX antibody: synthetic peptide directed towards the C terminal of human APTX. Synthetic peptide located within the following region: VIEMVQEAGRVTVRDGMPELLKPLRCHECQQLLPSIQLKEHLRKHWTQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38 kDa
Gene Name:	aprataxin
Database Link:	NP_778243 Entrez Gene 54840 Human Q7Z2E3



[View online »](#)

Background:

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. 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.

Synonyms:

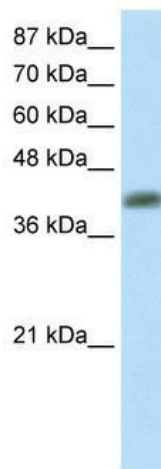
AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT

Note:

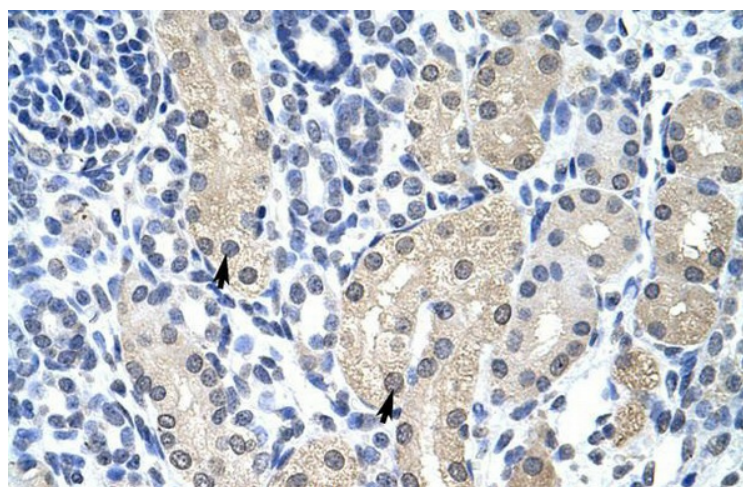
Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Dog: 92%

Protein Families:

Druggable Genome

Product images:

WB Suggested Anti-APTX Antibody Titration: 2.5 ug/ml; ELISA Titer: 1: 1562500; Positive Control: NCI-H226 cell lysate



Human kidney