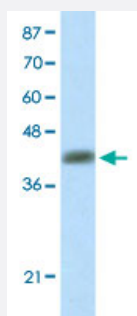


# APT<sub>X</sub> polyclonal antibody

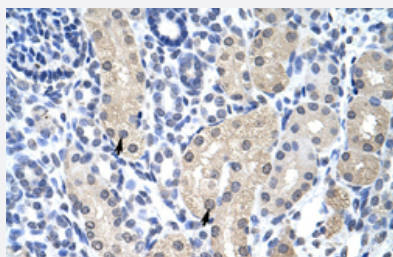
Catalog # PAB29964      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of human NCI-H226 cell lysate with APT<sub>X</sub> polyclonal antibody (Cat # PAB29964) at 2.5 ug/mL working concentration.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with APT<sub>X</sub> polyclonal antibody (Cat # PAB29964) at 4-8 ug/mL working concentration.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of human APT <sub>X</sub> .
<b>Immunogen</b>	A synthetic peptide corresponding to C-terminus of human APT <sub>X</sub> .
<b>Sequence</b>	VIEMVQEAGRVTVRDGMPELLKLPLRCHECQQLLP SIPQLKEHLRKHW TQ
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	38
<b>Reactivity</b>	Human
<b>Form</b>	Liquid

<b>Purification</b>	Protein A purification
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (2.5 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (2% sucrose, 0.09% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of human NCI-H226 cell lysate with APTX polyclonal antibody (Cat # PAB29964) at 2.5 ug/mL working concentration.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with APTX polyclonal antibody (Cat # PAB29964) at 4-8 ug/mL working concentration.

## Gene Info — APTX

<b>Entrez GeneID</b>	<a href="#">54840</a>
<b>GeneBank Accession#</b>	<a href="#">NM_175073</a>
<b>Protein Accession#</b>	<a href="#">NP_778243:Q7Z2E3</a>
<b>Gene Name</b>	APTX
<b>Gene Alias</b>	AOA, AOA1, AXA1, EAOH, EOAHA, FHA-HIT, FLJ20157, MGC1072
<b>Gene Description</b>	aprataxin
<b>Omim ID</b>	<a href="#">208920</a> <a href="#">606350</a> <a href="#">607426</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

OTTHUMP00000021188|ataxia 1, early onset with hypoalbuminemia

**Disease**

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)