



# Mouse anti-Human APTX monoclonal antibody, clone 3I7 (CABT-B9780)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	APTX (NP_778241, 69 a.a. ~ 167 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3I7
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	KLRFRLGYHAIPSMHVHLHVISQDFDSPCLKNKKHWNSFNTEYFLESQAVIEMVQEAGR VTVRDGMPELLKLPLRCHECQQLLPISIPQLKEHLRKHW*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	This gene encodes a member of the histidine triad (HIT) superfamily. The encoded protein may play a role in single-stranded DNA repair through its nucleotide-binding activity and its
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diadenosine polyphosphate hydrolase activity. Mutations in this gene have been associated with ataxia-ocular apraxia. Alternatively spliced transcript variants have been identified for this gene.[provided by RefSeq, Aug 2010]

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<b>Keywords</b>	APTX; aprataxin; AOA; AOA1; AXA1; EAOH; EOAHA; FHA-HIT; forkhead-associated domain histidine triad-like protein;
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## GENE INFORMATION

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<b>Entrez Gene ID</b>	<a href="#">54840</a>
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<b>UniProt ID</b>	<a href="#">Q7Z2E3</a>
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<b>Function</b>	DNA 5"-adenosine monophosphate hydrolase activity; DNA 5"-adenosine monophosphate hydrolase activity; catalytic activity; chromatin binding; damaged DNA binding; double-stranded DNA binding; double-stranded RNA binding; hydrolase activity; metal ion binding; phosphoglycolate phosphatase activity; phosphoprotein binding; polynucleotide 3"-phosphatase activity; protein N-terminus binding; protein binding; zinc ion binding
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