



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

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

BACKGROUND

Introduction	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]

Keywords APTX; aprataxin; AOA; AOA1; AXA1; EAOH; EOAH; FHA-HIT; forkhead-associated domain histidine triad-like protein;

GENE INFORMATION

Entrez Gene ID [54840](#)

UniProt ID [Q7Z2E3](#)

Function 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