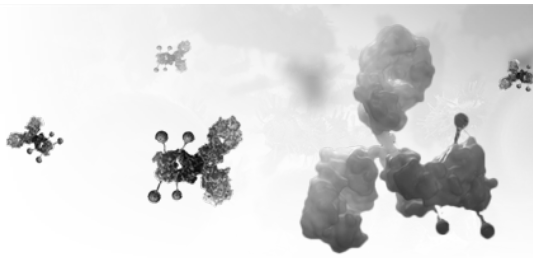

Mouse anti-Human ELAC2 monoclonal antibody, clone 2B3 (CABT-B10180)

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

PRODUCT INFORMATION

Immunogen	ELAC2 (NP_060597, 2 a.a. ~ 101 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	2B3
Conjugate	Unconjugated
Applications	IF,ELISA
Sequence Similarities	WALCSLLRSAAGRTMSQGRTISQAPARRERPRKDPLRHLRTREKRGPSGCSGGPNTVYLQVVAAGSRDSGAALYVFSEFNRYLFNCGEGVQRLMQEHKL*
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	The protein encoded by this gene has a C-terminal domain with tRNA 3′ processing endoribonuclease activity, which catalyzes the removal of the 3 trailer from precursor tRNAs.

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	The protein also interacts with activated Smad family member 2 (Smad2) and its nuclear partner forkhead box H1 (also known as FAST-1), and reduced expression can suppress transforming growth factor-beta induced growth arrest. Mutations in this gene result in an increased risk of prostate cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]
Keywords	ELAC2; elaC ribonuclease Z 2; ELC2; HPC2; COXPD17; zinc phosphodiesterase ELAC protein 2; RNase Z 2; tRNase Z 2; elaC homolog 2; ribonuclease Z 2; tRNase Z (long form); tRNA 3 endonuclease 2; elaC homolog protein 2; heredity prostate cancer protein 2; putative prostate cancer susceptibility protein HPC2/ELAC2;

GENE INFORMATION

Entrez Gene ID	60528
UniProt ID	B4DPL9
Pathway	RNA transport, organism-specific biosystem; RNA transport, conserved biosystem
Function	endonuclease activity; hydrolase activity; metal ion binding; protein binding

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