



Anti-ELAC2 monoclonal antibody (DCABH-11394)

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

PRODUCT INFORMATION

Antigen Description The protein encoded by this gene has a C-terminal domain with tRNA 3' trailer processing endoribonuclease activity, which catalyzes the removal of the 3' trailer from precursor tRNAs. 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.

Immunogen	A synthetic peptide of human ELAC2 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ELAC2 elaC homolog 2 (E. coli) [Homo sapiens]
Official Symbol	ELAC2
Synonyms	ELAC2; elaC homolog 2 (E. coli); elaC (E. coli) homolog 2; zinc phosphodiesterase ELAC protein 2; FLJ10530; HPC2; tRNase Z (long form); RNase Z 2; tRNase Z 2; ribonuclease Z 2; tRNA 3 endonuclease 2; elaC homolog protein 2; heredity prostate cancer protein 2; putative prostate cancer susceptibility protein HPC2/ELAC2; ELC2; FLJ36693; FLJ42848;
Entrez Gene ID	60528
Protein Refseq	NP_001159434
UniProt ID	Q9BQ52
Chromosome Location	17p11.2
Pathway	RNA transport, organism-specific biosystem; RNA transport, conserved biosystem.
Function	endonuclease activity; hydrolase activity; metal ion binding;