

Rabbit ELAC2 Polyclonal Antibody | anti-ELAC2 antibody

ELAC2 Antibody

CATALOG # AAA322977	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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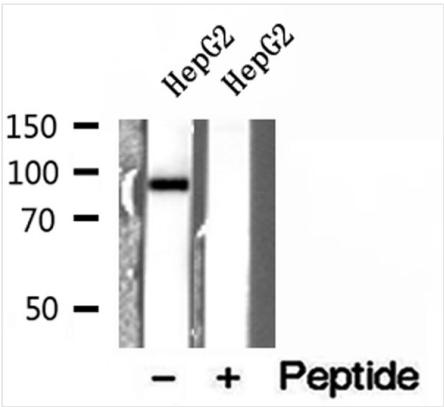
PRODUCT SYNONYMS

ELAC2; Polyclonal Antibody; ELAC2 Antibody; COXPD17; elac homolog 2 (E. coli); Elac homolog protein 2; elac ribonuclease Z 2; elac; E. coli; homolog of; 2; ELC2; FLJ10530; FLJ36693; FLJ42848; Heredity prostate cancer protein 2; HPC2; putative prostate cancer susceptibility protein HPC2/ELAC2; Ribonuclease Z 2; Ribonuclease Z; long form; Ribonuclease Z2; RNase Z 2; RNase Z2; RNase ZL; RNZ2_HUMAN; tRNA 3 endonuclease 2; tRNase Z (long form); tRNase Z 2; tRNase Z2; Zinc phosphodiesterase ELAC protein 2; anti-ELAC2 antibody

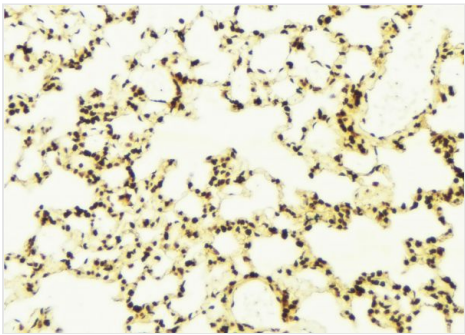
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ELAC2 antibody detects endogenous levels of ELAC2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	786
Applicable Applications for anti-ELAC2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ELAC2.
Subcellular Location	Nucleus.
Tissue Specificity	Widely expressed. Highly expressed in heart, placenta, liver, skeletal muscle, kidney, pancreas, testis and ovary. Weakly expressed in brain, lung, spleen, thymus, prostate, small intestine, colon and leukocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of HepG2 cells, using ELAC2 antibody.



IHC (Immunohistochemistry)
AAA322977 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ELAC2 antibody	Function: Zinc phosphodiesterase, which displays mitochondrial tRNA 3'-processing endonuclease activity. Involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA. Subunit Structure: Homodimer (By similarity). Interacts with PTCD1. Similarity: Belongs to the RNase Z family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260166619
NCBI GeneID	60528
NCBI Accession #	NP_001159434.1
NCBI GenBank Nucleotide #	NM_001165962.1
UniProt Accession #	Q9BQ52; Q6IA94; Q9HAS8; Q9HAS9; Q9NVT1; B4DPL9
Molecular Weight	Observed: 92 kDa Predicted: 93 kDa
NCBI Official Full Name	zinc phosphodiesterase ELAC protein 2 isoform 3
NCBI Official Synonym Full Names	elaC ribonuclease Z 2
NCBI Official Symbol	ELAC2
NCBI Official Synonym Symbols	ELC2; HPC2; COXPD17
NCBI Protein Information	zinc phosphodiesterase ELAC protein 2
UniProt Protein Name	Zinc phosphodiesterase ELAC protein 2
UniProt Gene Name	ELAC2
UniProt Synonym Gene Names	HPC2; RNase Z 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.