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Datasheet for ABIN895137

**anti-ELAC2 antibody (AA 88-190) (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	ELAC2
Binding Specificity:	AA 88-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELAC2 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ELAC2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	ELAC2
Alternative Name:	ELAC2 ( <a href="#">ELAC2 Products</a> )

## Target Details

Background:	<p>Synonyms: elaC homolog 2, ElaC homolog protein 2, ELC2, Heredity prostate cancer protein 2, HPC2, putative prostate cancer susceptibility protein HPC2/ELAC2, Ribonuclease Z2, RNase Z2, tRNA 3 endonuclease 2, tRNase Z long form, tRNase Z2, Zinc phosphodiesterase ELAC protein 2.</p> <p>Background: ELAC2 is a zinc phosphodiesterase which displays some tRNA 3' processing endonuclease activity. It is thought to be involved in tRNA maturation, acting by removing a 3' trailer from precursor tRNA. ELAC2 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. A number of allelic variants have been investigated in hereditary prostate cancer.</p>
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Gene ID:	60528
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months