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Datasheet for ABIN5001869

## anti-ELAC2 antibody (AA 88-190) (Alexa Fluor 750)

### 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 750
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

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**Background:** 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.

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.

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**Gene ID:** 60528

## Application Details

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**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

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months