

Rabbit anti-Human Alpha-endosulfine Polyclonal Antibody | anti-ENSA antibody

Rabbit anti-human Alpha-endosulfine polyclonal Antibody

CATALOG # AAA230051	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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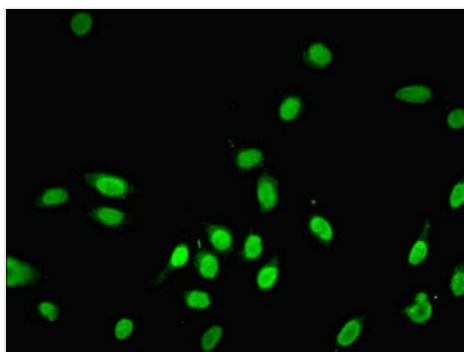
PRODUCT SYNONYMS

Alpha-endosulfine; Polyclonal Antibody; Rabbit anti-human Alpha-endosulfine polyclonal Antibody; Alpha-endosulfine protein; ARPP-19e; anti-ENSA antibody

PRODUCT SPECIFICATIONS

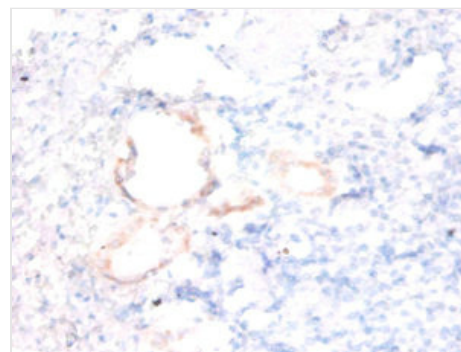
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	121
Applicable Applications for anti-ENSA antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Alpha-endosulfine protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-161563
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells using AAA230051 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA230051 at dilution of 1:50

ADDITIONAL INFORMATION

Related Product Information for anti-ENSA antibody	Protein phosphatase inhibitor that specifically inhibits protein phosphatase 2A (PP2A) during mitosis. When phosphorylated at Ser-67 during mitosis, specifically interacts with PPP2R2D (PR55-delta) and inhibits its activity, leading to inactivation of PP2A, an essential condition to keep cyclin-B1-CDK1 activity high during M phase. Also acts as a stimulator of insulin secretion by interacting with sulfonylurea receptor (ABCC8), thereby preventing sulfonylurea from binding to its receptor and reducing K(ATP) channel currents. This protein belongs to a highly conserved cAMP-regulated phosphoprotein (ARPP) family. This protein was identified as an endogenous ligand for the sulfonylurea receptor, ABCC8/SUR1. ABCC8 is the regulatory subunit of the ATP-sensitive potassium (KATP) channel, which is located on the plasma membrane of pancreatic beta cells and plays a key role in the control of insulin release from pancreatic beta cells. This protein is thought to be an endogenous regulator of KATP channels. In vitro studies have demonstrated that this protein modulates insulin secretion through the interaction with KATP channel, and this gene has been proposed as a candidate gene for type 2 diabetes. At least eight alternatively spliced transcript variants encoding distinct isoforms have been observed.
Product Categories/Family for anti-ENSA antibody	Cell Cycle

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758272
NCBI GeneID	2029
NCBI Accession #	NP_004427.1
NCBI GenBank Nucleotide #	NM_004436.2
UniProt Accession #	O43768; Q5T5H2; Q68D48; Q6FWH0; Q6IAM4; Q6NUL2; Q6VUC6; Q6VUC7; Q6VUC8; Q6VUC9; A8K1Z9; E9PB69
Molecular Weight	14,868 Da
NCBI Official Full Name	alpha-endosulfine isoform 3
NCBI Official Synonym Full Names	endosulfine alpha
NCBI Official Symbol	ENSA
NCBI Official Synonym Symbols	ARPP-19e
NCBI Protein Information	alpha-endosulfine
UniProt Protein Name	Alpha-endosulfine
UniProt Gene Name	ENSA
UniProt Entry Name	ENSA_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alpha-endosulfine-antibody-immunohistochemistry-elisa/230051>