

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

Anti-ENSA Antibody, Rabbit Polyclonal

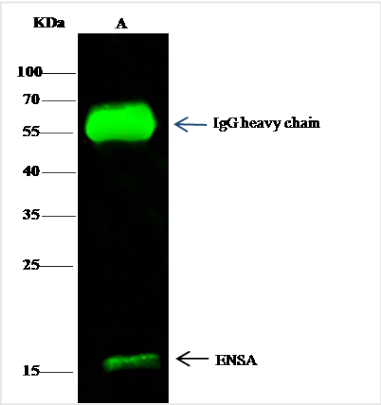
CATALOG # AAA255754	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

ENSA; Polyclonal Antibody; Anti-ENSA Antibody; Rabbit Polyclonal; ENSA/Endosulfine alpha Antibody; Rabbit PAb; Antigen Affinity Purified; endosulfine alpha; Anti-ARPP-19e Antibody; anti-ENSA antibody

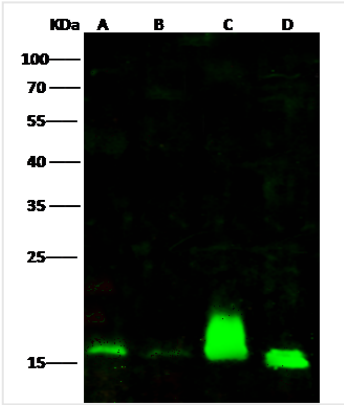
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ENSA/Endosulfine alpha
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ENSA antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human ENSA/Endosulfine alpha protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ENSA/Endosulfine alpha (rh ENSA/Endosulfine alpha). ENSA/Endosulfine alpha specific IgG was purified by Human ENSA/Endosulfine alpha affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

ENSA was immunoprecipitated using: Lane A: 0.5 mg A549 Whole Cell Lysate 2 uL anti-ENSA rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-ENSA rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 13 kDa Observed band size: 15 kDa



WB (Western Blot)

Anti-ENSA rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse heart tissue lysate Whole Cell Lysate Lane B: Rat heart tissue lysate Whole Cell Lysate Lane C: Mouse brain tissue lysate Whole Cell Lysate Lane D: A549 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (DyLight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa Observed band size: 26 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ENSA antibody	Endosulfine alpha, also known as ENSA, belongs to the endosulfine family. It is a highly conserved cAMP-regulated phosphoprotein (ARPP) family. Endosulfine alpha is widely expressed with high levels in skeletal muscle and brain and lower levels in the pancreas. As a protein phosphatase inhibitor, ENSA 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 By similarity. Endosulfine alpha 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.
References	Ye M. et al., 2001, Genome Res. 10 (10): 1546-60. Apiou F. et al., 1999, Diabetes 48 (9): 1873-6. Lennon G. et al., 1997, Genome Res. 6 (9): 791-806.

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; Q6FHW0; 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

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/ensa-antibody-immunoprecipitation-western-blot-elisa/255754>