

Product datasheet for TA337633

ENSA Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-ENSA antibody: synthetic peptide directed towards the N terminal of

human ENSA. Synthetic peptide located within the following region: MAGGLGCDVCYWFVEDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFL

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 12

Gene Name: endosulfine alpha

Database Link: NP 996930

Entrez Gene 2029 Human

O43768



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Background: The protein encoded by this gene 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.

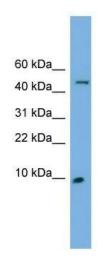
Synonyms: ARPP-19e

Note: Immunogen Sequence Homology: Human: 100%; Dog: 92%; Pig: 92%; Rat: 92%; Horse: 92%;

Mouse: 92%; Bovine: 92%; Rabbit: 92%

Protein Families: Druggable Genome

Product images:



WB Suggested Anti-ENSA Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control:

Human kidney