

## 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. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	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:	<a href="#">NP_996930</a> <a href="#">Entrez Gene 2029 Human O43768</a>



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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