

Datasheet for ABIN633083

anti-Ensa antibody (N-Term)





Overview

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Quantity:	100 μL
Target:	Ensa (ENSA)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ensa antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	ENSA antibody was raised using the N terminal of ENSA corresponding to a region with amino
	acids MAGGLGCDVCYWFVEDTQEKEGILPERAEEAKLKAKYPSLGQKPGGSDFL
Specificity:	ENSA antibody was raised against the N terminal of ENSA
Purification:	Affinity purified
Target Details	
Target:	Ensa (ENSA)
Alternative Name:	ENSA (ENSA Products)
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.		

Molecular Weight:

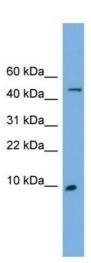
12 kDa (MW of target protein)

Application Details

Application Notes:	WB: 1 µg/mL
	Optimal conditions should be determined by the investigator.
Comment:	ENSA Blocking Peptide, catalog no. 33R-5662, is also available for use as a blocking control in assays to test for specificity of this ENSA antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ENSA antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. ENSA antibody used at 1 ug/ml to detect target protein.