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# Datasheet for ABIN1387412 anti-Ensa antibody (AA 51-121)



Overview

Quantity:	100 µL	
Target:	Ensa (ENSA)	
Binding Specificity:	AA 51-121	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Ensa antibody is un-conjugated	
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

# Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ENSA/ARPP-19	
Isotype:	IgG	
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit	
Purification:	Purified by Protein A.	

# Target Details

Target:	Ensa (ENSA)
Alternative Name:	ENSA/ARPP-19 (ENSA Products)

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### Target Details

Background:

# Synonyms: Alpha endosulfine, ARPP 19e, Endosulfine alpha, ENSA\_HUMAN. Background: Sulfonylureas are a class of drugs commonly used in the management of noninsulin-dependent diabetes mellitus. ENSA/ARPP-19, also known as ARPP-19e, is a 121 amino acid protein that localizes to the cytoplasm and belongs to the endosulfine family. ENSA/ARPP-19 is an endogenous regulator of the \_-cell K(ATP) channels and reduces K(ATP) channel currents by inhibiting sulfonylurea from binding to the receptor thereby stimulating insulin secretion by pancreatic \_ cells. It is suggested that ENSA/ARPP-19 expression is decreased in brains of both Alzheimer's disease (AD) and Down's syndrome patients. Widely expressed with high levels in skeletal muscle and brain and lower levels in pancreas, ENSA/ARPP-19 is phosphorylated by PKA and exists as eight alternatively spliced isoforms. ENSA/ARPP-19 is encoded by a gene located on human chromosome 1q21.3.

# Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date:

12 months

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