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Datasheet for ABIN1393354

anti-Ensa antibody (AA 51-121) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	Ensa (ENSA)
Binding Specificity:	AA 51-121
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ensa antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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)
Background:	Synonyms: Alpha endosulfine, ARPP 19e, Endosulfine alpha, ENSA_HUMAN.

Target Details

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 β -cell K(ATP) channels and reduces K(ATP) channel currents by inhibiting sulfonylurea from binding to the receptor thereby stimulating insulin secretion by pancreatic β 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: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 $\mu\text{g}/\mu\text{L}$

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months