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Datasheet for ABIN1109167 anti-SUCNR1 antibody

2 Images



Overview

Quantity:	50 µg
Target:	SUCNR1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide from Human SUCNR1. Epitope: Internal
Isotype:	lgG
Specificity:	This antibody detects endogenous levels of total SUCNR1 protein.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse, Rat. Species reactivity (tested):Human.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	SUCNR1
Alternative Name:	Succinate Receptor 1 / GPR91 (SUCNR1 Products)
Background:	GPR91 (formerly known as P2U2) is a G protein-coupled, dicarboxylic acid succinate receptor. It
	has a high level of expression in the kidney, predominantly in the proximal tubules, and localizes

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	to the plasma membrane. It has also been found at low levels in the liver and the spleen. GPR91
	functions as a citric acid cycle intermediate succinate receptor. Two signaling pathways result
	from GPR91 activation, the pertussis-toxin-sensitive Gi/Go pathway and the pertussis-toxin-
	insensitive Gq pathway. Four amino acid residues are necessary for GPR91 activation by
	succinate: Arg 99, His 103, Arg 252 and Arg 281. GPR91 plays an important role in the
	succinate-induced hypertensive effect and may be involved in renovascular hypertension, a
	disease linked to diabetes, renal failure and atherosclerosis.Synonyms: G-protein coupled
	receptor 91, P2Y purinoceptor 1-like
Gene ID:	56670
NCBI Accession:	NP_149039
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Concentration:	1.0 mg/mL
Buffer:	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM Sodium Chloride, 50 % Glycerol, 0.02 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Adrenal Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blotting

Image 2. Western blot analysis of extracts from HuvEc/MCF-7 cells, using SUCNR1 Antibody. The lane on the right is treated with the synthesized peptide.

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