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# Datasheet for ABIN7145552 anti-PAPSS2 antibody (AA 2-138)

Image



#### Overview

Quantity:	100 µg
Target:	PAPSS2
Binding Specificity:	AA 2-138
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAPSS2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2 protein (2-138AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	PAPSS2
Alternative Name:	PAPSS2 (PAPSS2 Products)
Background:	Background: Bifunctional enzyme with both ATP sulfurylase and APS kinase activity, which

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	mediates two steps in the sulfate activation pathway. The first step is the transfer of a sulfate
	group to ATP to yield adenosine 5'-phosphosulfate (APS), and the second step is the transfer of
	a phosphate group from ATP to APS yielding 3'-phosphoadenylylsulfate (PAPS: activated
	sulfate donor used by sulfotransferase). In mammals, PAPS is the sole source of sulfate, APS
	appears to be only an intermediate in the sulfate-activation pathway. May have a important role
	in skeletogenesis during postnatal growth (By similarity).
	Aliases: PAPSS2 antibody, ATPSK2Bifunctional 3'-phosphoadenosine 5'-phosphosulfate
	synthase 2 antibody, PAPS synthase 2 antibody, PAPSS 2 antibody, Sulfurylase kinase 2
	antibody, SK 2 antibody, SK2) [Includes: Sulfate adenylyltransferase antibody, EC 2.7.7.4
	antibody, ATP-sulfurylase antibody, Sulfate adenylate transferase antibody, SAT), Adenylyl-
	sulfate kinase antibody, EC 2.7.1.25 antibody, 3'-phosphoadenosine-5'-phosphosulfate synthase
	antibody, APS kinase antibody, Adenosine-5'-phosphosulfate 3'-phosphotransferase antibody,
	Adenylylsulfate 3'-phosphotransferase)] antibody
UniProt:	095340
Pathways:	Glycosaminoglycan Metabolic Process, Ribonucleoside Biosynthetic Process
Application Details	
Application Notes:	Recommended dilution: IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin

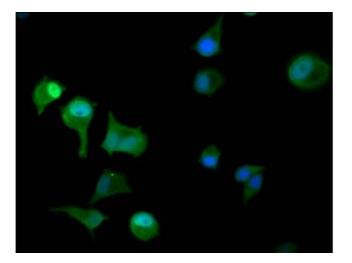
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

-20 °C,-80 °C

Storage:

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#### Immunofluorescence

**Image 1.** Immunofluorescence staining of MCF-7 cells with ABIN7145552 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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