

PAPSS1 rabbit monoclonal antibody

Catalog # H00009061-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PAPSS1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PAPSS1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PAPSS1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PAPSS1

Entrez GeneID	9061
GeneBank Accession#	PAPSS1
Gene Name	PAPSS1
Gene Alias	ATPSK1, PAPSS, SK1
Gene Description	3'-phosphoadenosine 5'-phosphosulfate synthase 1
Omim ID	603262
Gene Ontology	Hyperlink
Gene Summary	Three-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS) is the sulfate donor cosubstrate for all sulfotransferase (SULT) enzymes (Xu et al., 2000 [PubMed 10679223]). SULTs catalyze the sulfate conjugation of many endogenous and exogenous compounds, including drugs and other xenobiotics. In humans, PAPS is synthesized from adenosine 5-prime triphosphate (ATP) and inorganic sulfate by 2 isoforms, PAPSS1 and PAPSS2 (MIM 603005).[supplied by OMIM]
Other Designations	3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 1

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Selenoamino acid metabolism](#)
- [Sulfur metabolism](#)

Disease

- [Alcoholism](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)

- [Hepatitis B](#)
- [Liver Neoplasms](#)