

## Datasheet

### PAPSS1 polyclonal antibody

**Catalog Number:** PAB2534

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of PAPSS1.

**Immunogen:** A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PAPSS1.

**Host:** Rabbit

**Reactivity:** Human

**Applications:** WB-Ce

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Protein G purification

**Recommend Usage:** Western Blot (1:1000)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.09% sodium azide)

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 9061

**Gene Symbol:** PAPSS1

**Gene Alias:** ATPSK1, PAPSS, SK1

**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]

#### References:

1. Human 3'-phosphoadenosine 5'-phosphosulfate synthetase (isoform 1, brain): kinetic properties of the adenosine triphosphate sulfurylase and adenosine 5'-phosphosulfate kinase domains. Lansdon EB, Fisher AJ, Segel IH. Biochemistry. 2004 Apr 13;43(14):4356-65.
2. Human 3'-phosphoadenosine 5'-phosphosulfate (PAPS) synthase: biochemistry, molecular biology and genetic deficiency. Venkatachalam KV. IUBMB Life. 2003 Jan;55(1):1-11.
3. Characterization and expression of human bifunctional 3'-phosphoadenosine 5'-phosphosulphate synthase isoforms. Fuda H, Shimizu C, Lee YC, Akita H, Strott CA. Biochem J. 2002 Jul 15;365(Pt 2):497-504.