

Datasheet

PAPSS2 monoclonal antibody (M07), clone 2A8

Catalog Number: H00009060-M07

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant PAPSS2.

Clone Name: 2A8

Immunogen: PAPSS2 (NP_004661, 513 a.a. ~ 612 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

DPAGMPHPETKKDLYEPTHGGKVLSMAPGLTSVEIIPF
RVAAYNKAKKAMDFYDPAHNEFDISGTRMRKLARE
GENPPDGFMAPKAWKVLTDYYRSLE

Host: Mouse

Reactivity: Human, Mouse

Applications: ELISA, IF, IHC-P, RNAi-Ab, S-ELISA, WB-Ce, WB-Re, WB-Tr
(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

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9060

Gene Symbol: PAPSS2

Gene Alias: ATPSK2, SK2

Gene Summary: Sulfation is a common modification of endogenous (lipids, proteins, and carbohydrates) and exogenous (xenobiotics and drugs) compounds. In

mammals, the sulfate source is 3'-phosphoadenosine 5'-phosphosulfate (PAPS), created from ATP and inorganic sulfate. Two different tissue isoforms encoded by different genes synthesize PAPS. This gene encodes one of the two PAPS synthetases. Defects in this gene cause the Pakistani type of spondyloepimetaphyseal dysplasia. Two alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq]

References:

1. PAPSS2 Promotes Alkaline Phosphates Activity and Mineralization of Osteoblastic MC3T3-E1 Cells by Crosstalk and Smads Signal Pathways. Wang W, Li F, Wang K, Cheng B, Guo X. PLoS One. 2012;7(8):e43475. Epub 2012 Aug 16.
2. Old Astrocyte Specifically Induced Substance Induces Expression of Genes Involved in Extracellular Matrix Production But Not Classical Endoplasmic Reticulum Stress Response Genes in Pancreatic {beta}-Cells. Vellanki RN, Zhang L, Guney MA, Rocheleau JV, Gannon M, Volchuk A. Endocrinology. 2010 Jul 28. [Epub ahead of print]