

## Product datasheet for **CF807112**

### PAPSS2 Mouse Monoclonal Antibody [Clone ID: OTI7E8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7E8
Applications:	IHC
Recommended Dilution:	IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-247 of human PAPSS2(NP_004661) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69.3 kDa
Gene Name:	3'-phosphoadenosine 5'-phosphosulfate synthase 2
Database Link:	<a href="#">NP_004661</a> <a href="#">Entrez Gene 23972 Mouse</a> <a href="#">Entrez Gene 294103 Rat</a> <a href="#">Entrez Gene 9060 Human</a> <a href="#">O95340</a>



[View online »](#)

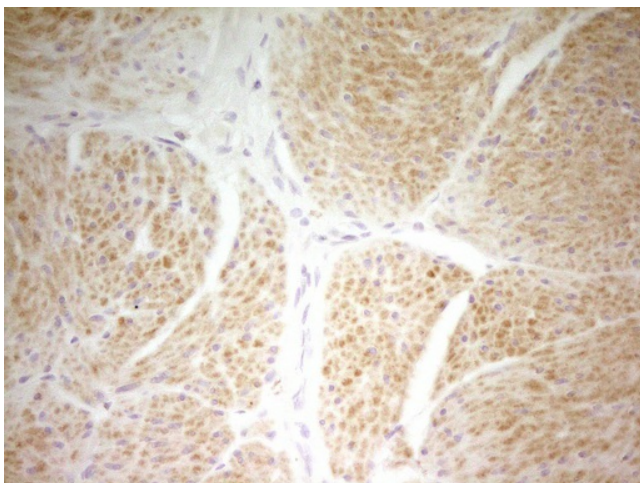
**Background:** Sulfation is a common modification of endogenous (lipids, proteins, and carbohydrates) and exogenous (xenobiotics and drugs) compounds. In mammals, the sulfate source is 3'-phosphoadenosine 5'-phosphosulfate (PAPS), created from ATP and inorganic sulfate. Two different tissue isoforms 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, Jul 2008]

**Synonyms:** ATPSK2; BCYM4; SK2

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Purine metabolism, Selenoamino acid metabolism, Sulfur metabolism

### Product images:



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PAPSS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA807112])