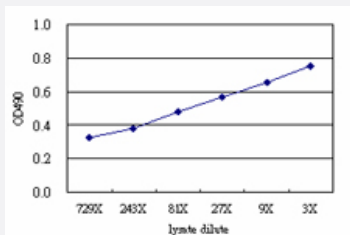


PAPSS2 (Human) Matched Antibody Pair

Catalog # H00009060-AP51

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 81x to 3x dilution of the PAPSS2 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human PAPSS2.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (92)
Quality Control Testing	Standard curve using PAPSS2 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 81x to 3x dilution of the PAPSS2 293T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-PAPSS2 (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-PAPSS2 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

Gene Info — PAPSS2

Entrez GeneID [9060](#)

Gene Name PAPSS2

Gene Alias ATPSK2, SK2

Gene Description 3'-phosphoadenosine 5'-phosphosulfate synthase 2

Omim ID [603005](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations 3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 2|ATP sulfurylase/APS kinase 2|ATP sulfurylase/adenosine 5'-phosphosulfate kinase|PAPS synthase 2|PAPS synthetase 2|bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthetase 2|phosphoadenosine-

Pathway

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

Disease

- [Alzheimer Disease](#)

- [Diastrophic dysplasia](#)
- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)
- [Tobacco Use Disorder](#)