

Datasheet for ABIN7600642
anti-PAPSS2 antibody (AA 212-320)



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Overview

Quantity:	100 µg
Target:	PAPSS2
Binding Specificity:	AA 212-320
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAPSS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PAPSS2 Antibody Picoband®
Immunogen:	E.coli-derived human PAPSS2 recombinant protein (Position: E212-H320).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-PAPSS2 Antibody Picoband® (ABIN7600642). Tested in ELISA, IF, IHC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PAPSS2
Alternative Name:	PAPSS2 (PAPSS2 Products)
Background:	Synonyms: N-alpha-acetyltransferase 15, NatA auxiliary subunit,Gastric cancer antigen Ga19,N-terminal acetyltransferase,NMDA receptor-regulated protein 1,Protein tubedown-1,Tbdn100,NAA15,GA19, NARG1, NATH, TBDN100, Tissue Specificity: Expressed at high levels in testis and in ocular endothelial cells. Also found in brain (corpus callosum), heart, colon, bone marrow and at lower levels in most adult tissues, including thyroid, liver, pancreas, mammary and salivary glands, lung, ovary, urogenital system and upper gastrointestinal tract. Overexpressed in gastric cancer, in papillary thyroid carcinomas and in a Burkitt lymphoma cell line (Daudi). Specifically suppressed in abnormal proliferating blood vessels in eyes of patients with proliferative diabetic retinopathy. . Background: Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthetase 2 is an enzyme that in humans is encoded by the PAPSS2 gene. 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.
Molecular Weight:	70 kDa
Gene ID:	9060
UniProt:	O95340
Pathways:	Glycosaminoglycan Metabolic Process , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Ahmad, M., Faiyaz ul Haque, M., Ahmad, W., Abbas, H., ul Haque, S., Krakow, D., Rimoin, D. L., Lachman, R. S., Cohn, D. H. Distinct, autosomal recessive form of spondyloepimetaphyseal dysplasia segregating in an inbred Pakistani kindred. Am. J. Med. Genet 78: 468-473, 1998. 2.
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Application Details

Collins, F. S., Brooks, L. D., Chakravarti, A. A DNA polymorphism discovery resource for research on human genetic variation. *Genome Res.* 8: 1229-1231, 1998. Note: Erratum: *Genome Res.* 9: 210 only, 1999. 3. Faiyaz ul Haque, M. F., King, L. M., Krakow, D., Cantor, R. M., Rusiniak, M. E., Swank, R. T., Superti-Furga, A., ul Haque, S., Abbas, H., Ahmad, W., Ahmad, M., Cohn, D. H. Mutations in orthologous genes in human spondyloepimetaphyseal dysplasia and the brachymorphic mouse. *Nature Genet.* 20: 157-162, 1998.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄.

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.