



Anti-PRPS1L1 (aa 146-243) polyclonal antibody (DPAB-DC971)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This intronless gene is specifically expressed in the testis, and encodes a protein that is highly homologous to the two subunits of phosphoribosylpyrophosphate synthetase encoded by human X-linked genes, PRPS1 and PRPS2. These enzymes convert pyrimidine, purine or pyridine bases to the corresponding ribonucleoside monophosphates. In vitro transcription/translation and site-directed mutagenesis studies indicate that translation of this mRNA initiates exclusively at a non-AUG (ACG) codon.
Immunogen	PRPS1L1 (NP_787082, 146 a.a. ~ 243 a.a) partial recombinant protein with GST tag. The sequence is YAEPTVLKWIRENIPEWKNCIIVSPDAGGAKRVTSIADQLNVDFALIHKERKKANEVDCI VLVGDVNDRVAILVDDMADTCVTICLAADKLLSAGATR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PRPS1L1 phosphoribosyl pyrophosphate synthetase 1-like 1 [Homo sapiens (human)]
Official Symbol	PRPS1L1
Synonyms	PRPS1L1; phosphoribosyl pyrophosphate synthetase 1-like 1; PRPS1; PRPS3; PRPSL; PRS-III; ribose-phosphate pyrophosphokinase 3; PRPS1-like 1; ribose-phosphate pyrophosphokinase III; phosphoribosyl pyrophosphate synthase III; phosphoribosyl pyrophosphate synthase 1-like 1; phosphoribosylpyrophosphate synthetase subunit III; ribose-phosphate diphosphokinase catalytic chain III;
Entrez Gene ID	221823
Protein Refseq	NP_787082
UniProt ID	P21108
Chromosome Location	7p21.1
Pathway	5-Phosphoribose 1-diphosphate biosynthesis; Biosynthesis of amino acids; Carbon metabolism; Glycogen storage diseases.
Function	ATP binding; kinase activity; magnesium ion binding; protein homodimerization activity