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Datasheet for ABIN5542153 **anti-PRPS1 antibody (AA 1-318)**

Overview

Quantity:	0.1 mL
Target:	PRPS1
Binding Specificity:	AA 1-318
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PRPS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant human PRPS1 (1-318aa) purified from E. coli
Clone:	AT1E11
Isotype:	IgG2a
Purification:	Protein-A affinity chromatography

Target Details

Target:	PRPS1
Alternative Name:	prps1 (PRPS1 Products)
Background:	PRPS1 is an enzyme that catalyzes the phosphoribosylation of ribose 5-phosphate to 5-

Target Details

phosphoribosyl-1-pyrophosphate, which is necessary for purine metabolism and nucleotide biosynthesis. A mutation in PRPS1 may result in PRPS superactivity, a disease characterized by gout and the overproduction of purine nucleotides, uric acid and PRPP. PRPS1 mutations can also lead to a reduction in PRPS1 activity resulting in ARTS syndrome or CMTX5 (Charcot-Marie-Tooth disease X-linked recessive type 5).

UniProt:	P60891
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	The antibody has been tested by ELISA, Western blot analysis and Immunofluorescence / Immunocytochemistry to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4 containing 0.02 % Sodium Azide and 10 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months