



Anti-ISYNA1 (aa 331-430) polyclonal antibody (DPAB-DC2181)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an inositol-3-phosphate synthase enzyme. The encoded protein plays a critical role in the myo-inositol biosynthesis pathway by catalyzing the rate-limiting conversion of glucose 6-phosphate to myoinositol 1-phosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 4.
Immunogen	ISYNA1 (NP_057452, 331 a.a. ~ 430 a.a) partial recombinant protein with GST tag. The sequence is SYNHLGNNDGENLSAPLQFRSKEVSKSNVDDMVQSNPVLVTPGEEPDCVVIKYVPYVG DSKRALDEYTSELMLGGTNTLVLHNTCEDSLAAPIMLDL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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	ISYNA1 inositol-3-phosphate synthase 1 [Homo sapiens (human)]
Official Symbol	ISYNA1
Synonyms	ISYNA1; inositol-3-phosphate synthase 1; IPS; INO1; INOS; IPS 1; IPS-1; MIP synthase; MI-1-P synthase; myo-inositol 1-phosphate synthase A1;
Entrez Gene ID	51477
Protein Refseq	NP_001164409
UniProt ID	Q9NPH2
Chromosome Location	19p13.11
Pathway	Inositol phosphate metabolism; Metabolism;
Function	inositol-3-phosphate synthase activity;