



# 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	ISYNA1 (NP_057452, 331 a.a. ~ 430 a.a) partial recombinant protein with GST tag. The sequence is  SYNHLGNNDGENLSQLQFRSKEVSKSNVVDDMVSQSNPVLYTPGEEPDHCVVIKYVPYVG DSKRALDEYTSEMLGGTNTLVLHNTCEDSLLAAPIMLDL
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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<b>Gene Name</b>	<a href="#">ISYNA1 inositol-3-phosphate synthase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ISYNA1
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">51477</a>
<b>Protein Refseq</b>	<a href="#">NP_001164409</a>
<b>UniProt ID</b>	<a href="#">Q9NPH2</a>
<b>Chromosome Location</b>	19p13.11
<b>Pathway</b>	Inositol phosphate metabolism; Metabolism;
<b>Function</b>	inositol-3-phosphate synthase activity;

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