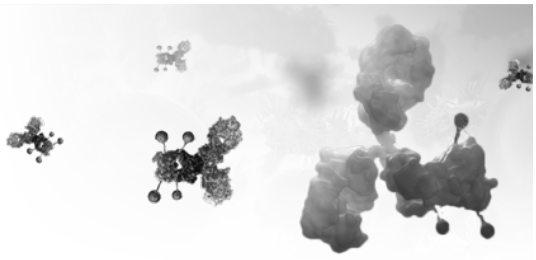

Anti-ENO1 (full length) polyclonal antibody (DPAB-DC855)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes alpha-enolase, one of three enolase isoenzymes found in mammals. Each isoenzyme is a homodimer composed of 2 alpha, 2 gamma, or 2 beta subunits, and functions as a glycolytic enzyme. Alpha-enolase in addition, functions as a structural lens protein (tau-crystallin) in the monomeric form. Alternative splicing of this gene results in a shorter isoform that has been shown to bind to the c-myc promoter and function as a tumor suppressor. Several pseudogenes have been identified, including one on the long arm of chromosome 1. Alpha-enolase has also been identified as an autoantigen in Hashimoto encephalopathy.
Immunogen	ENO1 (AAH11130.1, 1 a.a. ~ 434 a.a) full-length recombinant protein with GST tag. The sequence is MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALELRDNDKTRYMGK GVSKAVEHINKTIAPALVSKKLNVTEQEKIDKLMIEMDGTENKSKFGANAILGVSLAVCK AGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGSHAGNKLAMQEFMILPVGAANFRE AMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKTAIGKAGYTDKV VIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLYKSFIKDYPVVSIEDPFDQDD WGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVNQIGSVTESLQACKLA QANGWGVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSE
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

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Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ENO1 enolase 1, (alpha) [Homo sapiens (human)]
Official Symbol	ENO1
Synonyms	ENO1; enolase 1, (alpha); NNE; PPH; MPB1; ENO1L1; alpha-enolase; enolase-alpha; tau-crystallin; non-neural enolase; alpha enolase like 1; phosphopyruvate hydratase; plasminogen-binding protein; MYC promoter-binding protein 1; 2-phospho-D-glycerate hydro-lyase;
Entrez Gene ID	2023
Protein Refseq	NP_001188412
UniProt ID	E2DRY6
Chromosome Location	1p36.2
Pathway	Biosynthesis of amino acids; Carbon metabolism; Disease; Gluconeogenesis, oxaloacetate =>
Function	DNA binding; magnesium ion binding; phosphopyruvate hydratase activity; poly(A) RNA binding

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