HYI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HYI, Polyclonal Antibody
Full Product Name	HYI, NT (HYI, Putative hydroxypyruvate isomerase, Endothelial cell apoptosis protein E-CE1) (MaxLight 490)
Product Gene Name	anti-HYI antibody
Product Synonym Names	HYI; Putative hydroxypyruvate isomerase; Endothelial cell apoptosis protein E-CE1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22,616 Da
3D Structure	ModBase 3D Structure for Q5T013
Immunogen	HYI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-73 amino acids from the N-terminal region of human HYI.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-HYI antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-HYI antibody	Western Blot (WB), FLISA
Application Notes for anti-HYI antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-HYI antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.
Product References and Citations for anti-HYI antibody	Lamesch, P., et al. Genomics 89(3):307-315(2007). Wistow, G., et al. Mol. Vis. 8, 185-195 (2002): Ashiuchi, M., et al. Biochim. Biophys. Acta 1435 (1-2), 153-159 (1999).
Other Notes	Small volumes of anti-HYI antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HYI purchase	MBS6308997 is an antibody targeting HYI. Also known as HYI, NT (HYI, Putative hydroxypyruvate isomerase, Endothelial cell apoptosis protein E-CE1) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HYI. It may not necessarily be applicable to this product.

NCBI GI #	300068962
NCBI GeneID	81888
NCBI Accession #	NP_001177809.1
NCBI Related Accession #	NP_112484.3
UniProt Primary Accession #	Q5T013
UniProt Secondary Accession #	Q5Q9A2; Q7Z778; Q96S83; Q9BZR3; Q9BZR4; D3DPX4; D3DPX5
UniProt Related Accession #	Q5T013
GenBank Nucleotide #	NM_001190880.2
NCBI Official Full Name	putative hydroxypyruvate isomerase isoform 3
NCBI Official Synonym Full Names	hydroxypyruvate isomerase (putative)
NCBI Official Symbol	HYI
NCBI Official Synonym Symbols	HT036
UniProt Protein Name	Putative hydroxypyruvate isomerase
UniProt Synonym Protein Names	Endothelial cell apoptosis protein E-CE1
Protein Family	Hydroxypyruvate isomerase
UniProt Gene Name	HYI
NCBI Protein Information	putative hydroxypyruvate isomerase
NCBI Summary for HYI	This gene encodes a putative hydroxypyruvate isomerase, which likely catalyzes the conversion of hydroxypyruvate to 2-hydroxy-3-oxopropanoate, and may be involved in carbohydrate transport and metabolism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
UniProt Comments for HYI	HYI: a putative hydroxypyruvate isomerase, which likely catalyzes the conversion of hydroxypyruvate to 2-hydroxy-3-oxopropanoate, and may be involved in carbohydrate transport and metabolism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011] Protein type: Carbohydrate Metabolism - glyoxylate and dicarboxylate; EC 5.3.1.22; Isomerase Chromosomal Location of Human Ortholog: 1p34.2 Molecular Function: hydroxypyruvate isomerase activity; protein binding
Research Articles on HYI	**1.** Protein HYI may closely bind with protein P311 by an alpha helix in hypertrophic scar fibroblasts.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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