DHS Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	DHS, Polyclonal Antibody
Full Product Name	DHS Polyclonal Antibody
Product Gene Name	anti-DHS antibody
Clonality	Polyclonal
Molecular Weight	36,583 Da
OMIM	600944
3D Structure	ModBase 3D Structure for P49366
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-DHS antibody	MBS8522331 is an antibody targeting DHS. Also known as DHS Polyclonal Antibody.
Other Notes	Small volumes of anti-DHS 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.

ADDITIONAL DETAILS

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

NCBI GI #	333033798
NCBI GeneID	1725
NCBI Accession #	NP_001193903.1
UniProt Primary Accession #	P49366
UniProt Secondary Accession #	Q13184; Q13276; Q9UDG0; A8K688; M0R1I5
UniProt Related Accession #	P49366
GenBank Nucleotide #	NM_001206974.1
NCBI Official Full Name	deoxyhypusine synthase isoform d
NCBI Official Synonym Full Names	deoxyhypusine synthase
NCBI Official Symbol	DHPS
NCBI Official Synonym Symbols	DS; DHS; MIG13
UniProt Protein Name	Deoxyhypusine synthase
Protein Family	Deoxyhypusine synthase
UniProt Gene Name	DHPS
UniProt Synonym Gene Names	DS; DHS
NCBI Protein Information	deoxyhypusine synthase

NCBI Summary for DHS	This gene encodes a protein that is required for the formation of hypusine, a unique amino acid formed by the posttranslational modification of only one protein, eukaryotic translation initiation factor 5A. The encoded protein catalyzes the first step in hypusine formation by transferring the butylamine moiety of spermidine to a specific lysine residue of the eukaryotic translation initiation factor 5A precursor, forming an intermediate deoxyhypusine residue. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2011]
UniProt Comments for DHS	Catalyzes the NAD-dependent oxidative cleavage of spermidine and the subsequent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a specific lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue.
Research Articles on DHS	**1.** the use of N1-Guanyl-1,7-diaminoheptane, a DHPS inhibitor, resulted in a significant decrease in tumor formation in vivo. In patients with esophageal squamous cell carcinoma (ESCC), overexpression of DHPS in ESCC tumors was significantly associated with worse recurrence-free survival, and correlated with distant metastasis.
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