10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DHPS antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14636

Product Information

Application	WB
Primary Accession	P49366
Other Accession	NM_013406, NP_037538
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40971

Additional Information

Gene ID	1725
Alias Symbol	MIG13, DS, DHS
Other Names	Deoxyhypusine synthase, DHS, 2.5.1.46, DHPS, DS
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-DHPS antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	DHPS antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

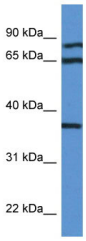
Protein Information

Name	DHPS
Synonyms	DS
Function	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 critical lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue (PubMed:30661771). This is the first step of the post-translational modification of that lysine into an unusual amino acid residue named hypusine. Hypusination is unique to mature eIF-5A factor and is essential for its function.

References

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Bevec D.,et al.FEBS Lett. 378:195-198(1996).
Yan Y.P.,et al.Biochem. J. 315:429-434(1996).
Mantuano E.,et al.Gene 215:153-157(1998).
Yu W.,et al.Genome Res. 7:353-358(1997).

Images



WB Suggested Anti-DHPS Antibody Titration: 1.0 µg/ml
Positive Control: MCF7 Whole CellDHPS is strongly supported by BioGPS gene expression data to be expressed in Human MCF7 cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.