

# DHPS antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14636

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P49366</a>
<b>Other Accession</b>	<a href="#">NM_013406</a> , <a href="#">NP_037538</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Dog, Guinea Pig, Horse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	40971

## Additional Information

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<b>Gene ID</b>	1725
<b>Alias Symbol</b>	MIG13, DS, DHS
<b>Other Names</b>	Deoxyhypusine synthase, DHS, 2.5.1.46, DHPS, DS
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	DHPS antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	DHPS
<b>Synonyms</b>	DS
<b>Function</b>	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: <a href="#">30661771</a> ). 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.

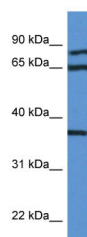
## References

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Joe Y.A.,et al.J. Biol. Chem. 270:22386-22392(1995).  
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

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WB Suggested Anti-DHPS Antibody Titration: 1.0  $\mu$ g/ml  
Positive Control: MCF7 Whole Cell DHPS 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'.