

DHPS antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14636**Specification**

DHPS antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P49366
Other Accession	NM_013406 , NP_037538
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Horse, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 35kDa kDa

DHPS antibody - N-terminal region - 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.

DHPS antibody - N-terminal region - Protein Information**Name** DHPS**Synonyms** DS**Function**

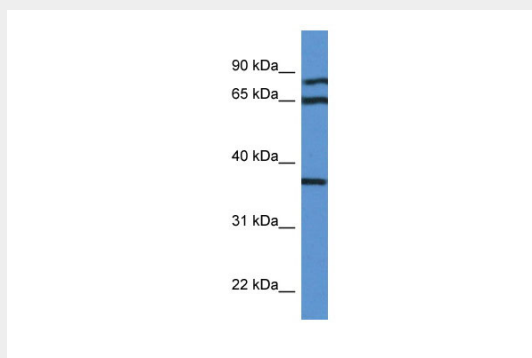
Catalyzes the NAD-dependent oxidative cleavage of spermidine and the subsequent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a critical lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue (PubMed:30661771). This is the first step 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.

DHPS antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DHPS antibody - N-terminal region - Images



WB Suggested Anti-DHPS Antibody Titration: 1.0 µg/ml

Positive Control: MCF7 Whole Cell DHPS is strongly supported by BioGPS gene expression data to be expressed in Human MCF7 cells

DHPS antibody - N-terminal region - References

- 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).