

DHPS Antibody (aa51-100)
Rabbit Polyclonal Antibody
Catalog # ALS17026**Specification**

DHPS Antibody (aa51-100) - Product Information

Application	IHC, WB
Primary Accession	P49366
Other Accession	1725
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	40971

DHPS Antibody (aa51-100) - Additional Information**Gene ID** 1725**Other Names**

DHPS, Deoxyhypusine synthase, DS, DHS, MIG13, Migration-inducing gene 13

Target/Specificity

DHPS Antibody detects endogenous levels of total DHPS protein.

Reconstitution & StoragePBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Store at -20°C for up to one year.**Precautions**

DHPS Antibody (aa51-100) is for research use only and not for use in diagnostic or therapeutic procedures.

DHPS Antibody (aa51-100) - 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.

Volume

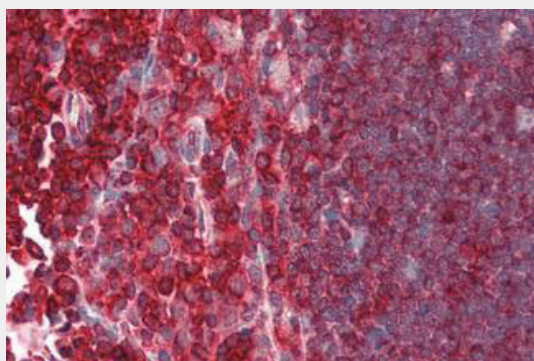
50 μ l

DHPS Antibody (aa51-100) - Protocols

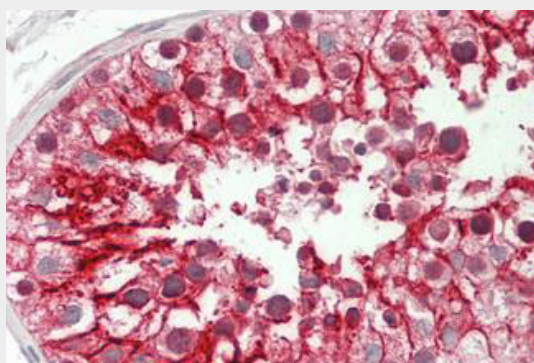
Provided below are standard protocols that you may find useful for product applications.

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

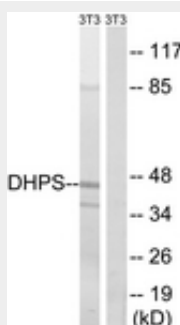
DHPS Antibody (aa51-100) - Images



Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot of extracts from NIH-3T3 cells, using DHPS Antibody.

DHPS Antibody (aa51-100) - Background

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.

DHPS Antibody (aa51-100) - 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).