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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	**Human, Mouse, Horse, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**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.

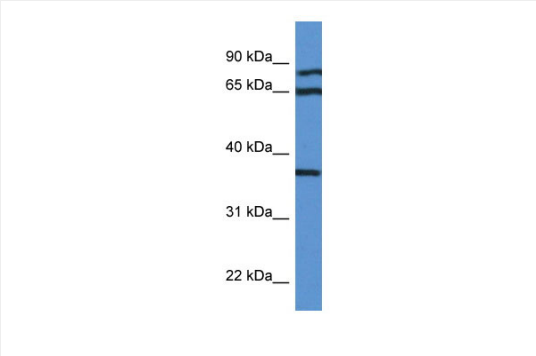
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DHPS antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DHPS antibody - N-terminal region - 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

DHPS antibody - N-terminal region - References

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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).