

# Anti-DHPS Antibody

Rabbit polyclonal antibody to DHPS

Catalog # AP59535

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P49366</a>
<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<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>Other Names</b>	DS; Deoxyhypusine synthase; DHS
<b>Target/Specificity</b>	Recognizes endogenous levels of DHPS protein.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## 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.

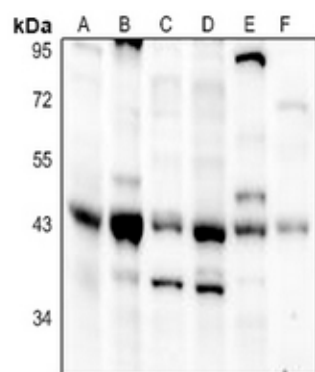
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DHPS. The exact sequence is proprietary.

## Images

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Western blot analysis of DHPS expression in mouse heart (A), Jurkat (B), 3T3L1 (C), PMVEC (D), rat lung (E), mouse spleen (F) whole cell lysates.

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