

产品名称: DHS Rabbit Polyclonal Antibody
产品货号: APRab09974



产品概述 (Summary)

产品名称 (Production Name)	DHS Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DHPS
别名 (Alternative Names)	DHPS; DS; Deoxyhypusine synthase; DHS
基因 ID (Gene ID)	1725.0
蛋白 ID (SwissProt ID)	P49366.The antiserum was produced against synthesized peptide derived from human DHPS. AA range:51-100

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	45kDa

研究背景 (Background)

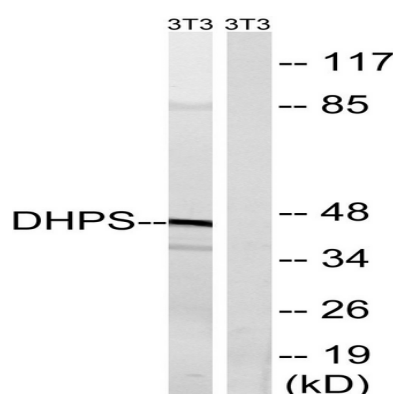
产品名称: DHS Rabbit Polyclonal Antibody
产品货号: APRab09974



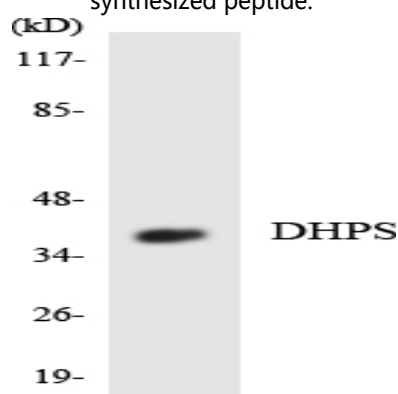
This gene encodes a protein that is required for the formation of hypusine, a unique amino acid formed by the posttranslational modification of only one protein, eukaryotic translation initiation factor 5A. The encoded protein catalyzes the first step in hypusine formation by transferring the butylamine moiety of spermidine to a specific lysine residue of the eukaryotic translation initiation factor 5A precursor, forming an intermediate deoxyhypusine residue. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2011],catalytic activity:[eIF5A-precursor]-lysine + spermidine = [eIF5A-precursor]-deoxyhypusine + propane-1,3-diamine.,cofactor:NAD.,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 specific lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue.,pathway:Protein modification; eIF5A hypusination.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the deoxyhypusine synthase family.,subunit:Homotetramer formed by a dimer of dimers.,

研究领域 (Research Area)

图片 (Image Data)

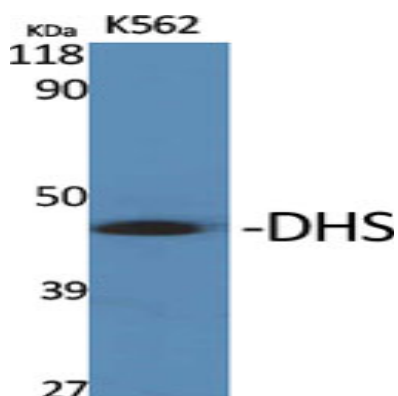


Western blot analysis of lysates from NIH/3T3 cells, using DHS Antibody. The lane on the right is blocked with the synthesized peptide.

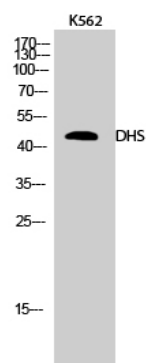


Western blot analysis of the lysates from HUVECCells using DHS antibody.

产品名称: DHS Rabbit Polyclonal Antibody
产品货号: APRab09974



Western Blot analysis of various cells using DHS Polyclonal Antibody



Western Blot analysis of K562 cells using DHS Polyclonal Antibody

注意事项 (Note)

For research use only .