



DHS rabbit pAb

Cat No.:ES2171

For research use only

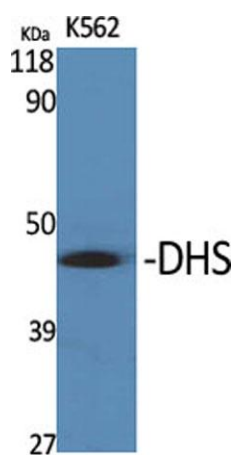
Overview

Product Name	DHS rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DHPS. AA range:51-100
Specificity	DHS Polyclonal Antibody detects endogenous levels of DHS protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Deoxyhypusine synthase
Gene Name	DHPS
Cellular localization	cytoplasm,cytosol,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	45kD
Human Gene ID	1725
Human Swiss-Prot Number	P49366
Alternative Names	DHPS; DS; Deoxyhypusine synthase; DHS
Background	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

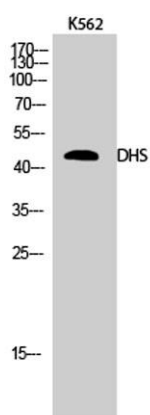




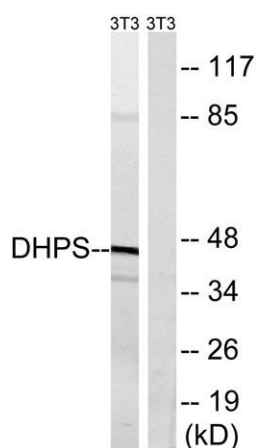
the eukaryotic translation initiation factor 5A precursor, forming an intermediate deoxyhypusine residue. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2011],



Western Blot analysis of various cells using DHS Polyclonal Antibody



Western Blot analysis of K562 cells using DHS Polyclonal Antibody

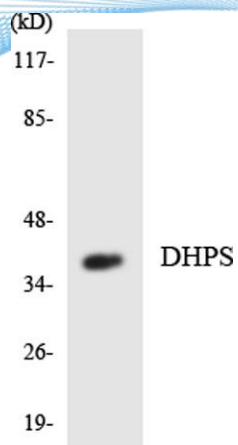


Western blot analysis of lysates from NIH/3T3 cells, using DHPS Antibody. The lane on the right is blocked with the synthesized peptide.





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Western blot analysis of the lysates from HUVECcells using DHPS antibody.



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