ARG55512
anti-PSPH / Phosphoserine Phosphatase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PSPH / Phosphoserine Phosphatase
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSPH / Phosphoserine Phosphatase
Species	Human
Immunogen	Recombinant protein of Human PSPH
Conjugation	Un-conjugated
Alternate Names	PSPase; PSPHD; EC 3.1.3.3; L-3-phosphoserine phosphatase; O-phosphoserine phosphohydrolase; PSP; Phosphoserine phosphatase

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse testis and A431
Observed Size	~ 24 kDa

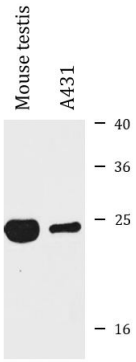
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PSPH
Gene Full Name	phosphoserine phosphatase
Background	The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome. [provided by RefSeq, Jul 2008]
Function	Catalyzes the last step in the biosynthesis of serine from carbohydrates. The reaction mechanism proceeds via the formation of a phosphoryl-enzyme intermediates. [UniProt]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	25 kDa

Images



ARG55512 anti-PSPH / Phosphoserine Phosphatase antibody WB image

Western blot: Mouse testis and A431 cell lysates stained with ARG55512 anti-PSPH / Phosphoserine Phosphatase antibody.