

AB-PN1005

LASS2-pT346+pS348 Antibody

Phosphosite-specific rabbit polyclonal antibody for LASS2. This antibody cross-reacts with phosphotyrosine and serine.

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Target Protein

Protein Name Long:	LAG1 longevity assurance homolog 2
Protein Alias:	SP260;Tumor metastasis-suppressor gene 1 protein
UniProt ID:	Q96G23
Protein Molecular Mass:	44,876 Da (380 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human LASS2
Antibody Immunogen Sequence:	DREE(pT)E(pS)S(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues D342 to S349. Phosphorylation of T346 and S348 stimulate the enzymatic activity of LASS2. These are among the major <i>in vivo</i> phosphorylation sites based on ≥ 258 and ≥ 217 mass spectrometry reports, respectively, recorded in PhosphoSitePlus.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multi-peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 μ g
Antibody Concentration:	0.85 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at $+4^{\circ}\text{C}$ for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus Macaque Dog Rat Mouse Chicken Zebra fish

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987