

AB-PN870

ALS2-pS492 Antibody

Phosphosite-specific rabbit polyclonal antibody for ALS2 (ALS2CR6)



KINEXUS

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Target Protein

Protein Name Long:	Alsin
Protein Alias:	ALS2CR6; Alsin; Amyotrophic lateral sclerosis 2 (juvenile); Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 6 protein
UniProt ID:	Q96Q42
Protein Molecular Mass:	83,666 Da (1,657 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ALS2
Antibody Immunogen Sequence:	LSQV(pS)PRL(β A)C
Antibody Immunogen Description:	Corresponds to amino acid residues L488 to L495. The effect of S492 phosphorylation is unclear. This is one of the most frequently phosphorylated <i>in vivo</i> sites in ALS2 from mass spectrometry studies (≥ 175 reports 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 multipепptide 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:	0.9 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 μ g/ml for immunoblotting

Antibody Species Reactivity:

Human | Chimpanzee | Rhesus macaque | Dog | Rat | Mouse | Chicken

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