

AB-PK957

PFTAIRE2-pY114 Antibody

Phosphosite-specific rabbit polyclonal antibody for CDK15 (PFTAIRE2; ALS2CR7). This phosphotyrosine-site antibody is highly specific for phosphotyrosine.

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Target Protein

Protein Name Long:	Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 7 protein A2S7; AL2S7; ALS2CR7; Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 7 protein; Amyotrophic lateral sclerosis 2 chromosomal region candidate gene protein 7; CDK15; PFTAIRE protein kinase 2; PFTK2; Serine/threonine-protein kinase ALS2CR7
Protein Alias:	
UniProt ID:	Q96Q40
Protein Molecular Mass:	49,023 Da (435 AA; Q96Q40); 48,316 Da (429 AA; Q96Q40-5); 45,046 Da (400 AA; Q96Q40-3); 43,574 Da (384 AA; Q96Q40-4); 40,122 Da (358 AA; Q96Q40-2)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PFTAIRE2
Antibody Immunogen Sequence:	CGEGS(pY)ATVY
Antibody Immunogen Description:	Corresponds to amino acid residues G110 to Y118. The effect of Y114 phosphorylation is unclear, although this is suspected to be inhibitory as it resides in the kinase subdomain I (GXGXXG) region of the kinase. This is the major site of <i>in vivo</i> phosphorylation with ≥ 26 mass spectrometry 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 multipеп 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:	0.4 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°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 Mouse

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