

AB-NK004-3

PFTAIRE2-CT Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase PFTAIRE2 (ALS2CR7)



KINEXUS

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 7 protein
Alias:	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
UniProt ID:	Q96Q40
Sequence Predicted Mass (KDa):	49.023 (435 AA; Q96Q40); 48.316 (429 AA; Q96Q40-5); 45.046 (400 AA; Q96Q40-3); 43.574 (384 AA; Q96Q40-4); 40.122 (358 AA; Q96Q40-2)
Observed SDS-PAGE Mass (KDa):	45-50

Immunogen

Antibody Immunogen Source:	Human PFTAIRE2 (ALS2CR7) sequence peptide Cat. No.: PE-01BEP80
Antibody Immunogen Sequence:	CDLLASYQKGHHPAQFSK
Location in Target:	Corresponds to amino acid residues C416 to K433; C-terminus
Peptide Type:	For pan-specific recognition of target expression levels.
Target Phosphosite:	Not phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
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 each animal 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.
Antibody Amount:	25 µg
Antibody Concentration:	0.25 mg/ml
Lot Number:	160630
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	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.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Detection by Immunoblotting in Cell/Tissue Lysates:	Strong detection of appropriately sized protein in human HepG2 and Jurkat cells. Very weak immunoreactivity of a target-sized protein by Western blotting in mouse skeletal muscle and thymus.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	No significant cross-reactivities detected in various human cancer cell lines, including A431, HEK-293, HeLa, HepG2, Jurkat and MCF7 cells, except for a medium-strong ~30 kDa protein. No significant cross-reactivities in various mouse tissues.

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 www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)