

AB-PN505

Cas-L-pY166 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human Cas-L



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Enhancer of filamentation 1
Alias:	NEDD9; Neural precursor cell expressed developmentally down-regulated protein 9
UniProt ID:	Q14511
Sequence Predicted Mass (KDa):	92.861 (834 AA; Q14511-1); 92.885 (834 AA; Q14511-3); 19.285 (174 AA; Q14511-2)
Observed SDS-PAGE Mass (KDa):	100-110

Immunogen

Antibody Immunogen Source:	Human Cas-L sequence peptide Cat. No.: PE-04AFA99
Antibody Immunogen Sequence:	GYV(pY)EYP(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues G163 to P169; In the region between the SH3_9 and Serine_rich domains. This is the second major in vivo phosphorylation site in Cas-L.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-166

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 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 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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	141003
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.

AB-PN505

Cas-L-pY166 Antibody



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

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
Antibody Positive Controls:	Strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Strong immunoreactivity of a target-sized protein by Western blotting in HeLa cells.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	Medium cross-reactive ~48 KDa protein detected in A431 and HeLa cells.

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)