

AB-PN522

PDLIM5-pY251 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human PDLIM5 (LIM)



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:	PDZ and LIM domain protein 5
Alias:	ENH; ENH1; Enigma homolog; enigma-like LIM domain protein; Enigma-like PDZ and LIM domains protein; L9; LIM; PDLI5; PDLIM5; PDZ and LIM domain 5; PDZ and LIM domain protein 5
UniProt ID:	Q96HC4
Sequence Predicted Mass (kDa):	67.729 (625 AA; Q96HC4-6); 63.945 (596 AA; Q96HC4-1); 53.078 (487 AA; Q96HC4-4); 52.645 (483 AA; Q96HC4-7); 25.930 (234 AA; Q96HC4-); 23.823 (214 AA; Q96HC4-3); 15.116 (136 AA; Q96HC4-5)
Observed SDS-PAGE Mass (kDa):	64-70

Immunogen

Antibody Immunogen Source:	Human PDLIM5 (LIM) sequence peptide Cat. No.: PE-04ADC99
Antibody Immunogen Sequence:	TEF(pY)HVP(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues T248 to P254; In the middle of the protein between the PDZ and first LIM domains. This is the major in vivo phosphorylation site of PDLIM5.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-251

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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	150106
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
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
Overall Antibody Specificity:	High-very high selectivity

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)