

AB-NP023-4

PTEN-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human PTEN



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:	Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and protein phosphatase and tensin homolog deleted on chromosome 10
Alias:	BZS; MHAM; MMAC1; Mutated in multiple advanced cancers 1; Phosphatase and tensin; Phosphatase and tensin homolog gene; Protein-tyrosine phosphatase PTEN; PTEN1; TEP1
UniProt ID:	P60484
Sequence Predicted Mass (KDa):	47166 (403 AA; P60484-1); 64.882 (576 AA; P60484-2); 19.796 (175 AA; P60484-3)
Observed SDS-PAGE Mass (KDa):	52-58

Immunogen

Antibody Immunogen Source:	Human PTEN sequence peptide Cat. No.: PE-01BBN90
Antibody Immunogen Sequence:	CSPNFKVKLYFTKVE
Location in Target:	Corresponds to amino acid residues S338 to E352
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:	0.75 mg/ml
Lot Number:	140724
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
Antibody Positive Controls:	Weak reactivity with recombinant human PTEN on protein dot blots.
Overall Antibody Specificity:	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)