

AB-PN766

ODC1-pT93 Antibody

Phosphosite-specific rabbit polyclonal antibody for ODC1. This phosphothreonine-site antibody also weakly cross-reacts with a phosphoserine substitution in the phosphosite.

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Target Protein

Protein Name Long:	Ornithine decarboxylase
Protein Alias:	ODC
UniProt ID:	P11926
Protein Molecular Mass:	51,1148 Da (461 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ODC1
Antibody Immunogen Sequence:	CASK(pT)EIQL
Antibody Immunogen Description:	Corresponds to amino acid residues A90 to L97. The effect of ODC1 T93 phosphorylation is unclear. This is one of the few <i>in vivo</i> phosphorylation sites of ODC1 that has been identified by mass spectrometry (≥ 2 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 multi-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:	1 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 $+4^{\circ}\text{C}$ 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 Chimpanzee Rhesus macaque Dog Rat Mouse Platypus Chicken Frog Zebra fish

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