

AB-PN608

HNF4A-pS167 Antibody

Phosphosite-specific rabbit polyclonal antibody for HNF4A. This phosphoserine-site antibody also cross-reacts with phosphothreonine and glutamic acid substitutions in the phosphosite.

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



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

Target Protein

Protein Name Long:	Hepatocyte nuclear factor 4-alpha
Protein Alias:	HNF4; HNF-4-alpha; NR2A1; TCF14; Transcription factor 14
UniProt ID:	P41235
Protein Molecular Mass:	52,785 Da (465 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human HNF4A
Antibody Immunogen Sequence:	RQIT(pS)PVSGC
Antibody Immunogen Description:	Corresponds to amino acid residues R163 to G171. S167 phosphorylation induces transcription and interaction with PC4. This is one of the major <i>in vivo</i> phosphorylation sites in HNF4A (≥ 31 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). HNF4A is known to be phosphorylated at this site <i>in vitro</i> by p38a MAPK (MAPK14), and p38b MAPK (MAPK11).
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 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 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°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 Dog Rat Mouse Chicken Frog

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