

AB-NM001-4

Biotin Antibody

Pan-specific polyclonal antibody for monitoring the biotinylation of proteins



KINEXUS

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Immunogen

Antibody Immunogen Source:	Human sequence peptide Cat. No.: PE-03AAZ65
Antibody Immunogen Sequence:	Biotin-SEGC
Location in Target:	Proteins that are biotinylated in vitro at lysine residues
Peptide Type:	For pan-specific recognition of target expression levels following biotinylation.

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 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 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:	160628
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerosal
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.

Applications

Product Use:	For detection of proteins following their in vitro biotinylation.
Antibody Dilution Recommended:	1 µg/ml for immunoblotting
Antibody Species Reactivity:	Any biotinylated protein
Overall Antibody Specificity:	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)