

AB-PN516

Gab1-pY406 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human Gab1



KINEXUS

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Target Protein

Name Long:	GRB2-associated-binding protein 1
Alias:	GRB2-associated binder 1; Growth factor receptor bound protein 2-associated protein 1
UniProt ID:	Q13480
Sequence Predicted Mass (kDa):	76.616 (694 AA; Q13480-1); 80.005 (724 AA; Q13480-2)
Observed SDS-PAGE Mass (kDa):	75-100

Immunogen

Antibody Immunogen Source:	Human Gab1 sequence peptide Cat. No.: PE-04ACW80
Antibody Immunogen Sequence:	QDC(pY)DIP(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues Q403 to P409; In the mid-region of the protein. This is the second major in vivo phosphorylation site of Gab1.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-406

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 multipep 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:	0.3 mg/ml
Lot Number:	141017
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:	
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium-strong immunoreactivity of a target-sized protein by Western blotting in HeLa cells (harvested in SDS-PAGE sample buffer).
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	No significant cross-reactivities detected in phenylarsine oxide (PAO)+vanadate-treated HeLa cells, EGF-treated A431 cells, and insulin-treated MCF7 cells, when these cells were homogenized in SDS-PAGE buffer.

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)