

AB-PK523

ANKRD3-pS438 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase ANKRD3



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:	Ankyrin repeat domain protein-serine kinase 3 (RIPK4, DIK)
Alias:	ANKK2; Ankyrin repeat domain protein 3; DIK; Kinase ANKRD3; PKC-delta-interacting protein kinase; PKC-regulated kinase PKK; Receptor-interacting serine-threonine kinase 4; RIP4; RIPK4; DIK
UniProt ID:	P57078
Sequence Predicted Mass (KDa):	91.611 (832 AA; P57078); 86.441 (784 AA; P57078-2)
Observed SDS-PAGE Mass (KDa):	90-100

Immunogen

Antibody Immunogen Source:	Human ANKRD3 sequence peptide Cat. No.: PE-04AIH99
Antibody Immunogen Sequence:	LSL(pS)FER(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues L435 to R441; In the region between the kinase catalytic and Ank_2 domains. The major site of phosphorylation in ANKRD3.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-438

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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	141024
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:	Very strong immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No cross-reactive proteins detected in A431 cells, HeLa cells, and sea star oocytes.

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)