

AB-PK738

OSR1-pT185 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase OSR1 (OXSR1)

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
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Email: info@kinexus.ca
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Target Protein

Name Long:	Serine/threonine-protein kinase OSR1
Alias:	OXSR1
UniProt ID:	O95747
Sequence Predicted Mass (KDa):	58.022 (527 AA; O95747)
Observed SDS-PAGE Mass (KDa):	58-62

Immunogen

Antibody Immunogen Source:	Human OSR1 (OXSR1) sequence peptide Cat. No.: PE-04AOG99
Antibody Immunogen Sequence:	VRK(pT)FVG(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues V182 to G188; In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-185

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:	1 mg/ml
Lot Number:	150305
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:	High selectivity
Antibody Cross Reactivities:	In HeLa cells, phenylarsine oxide (PAO) decreases 75 KDa protein detection. In Jurkat cells, phenylarsine oxide (PAO) increases 65 KDa protein, and phenylarsine oxide (PAO) decreases 75 KDa protein. In MCF7 cells, insulin increases detection of a very strong 50 KDa cross-reactive protein.

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)