

AB-PK633

FES-pY713+pS716 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase Fes



KINEXUS

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Target Protein

Name Long:	Fes/Fps protein-tyrosine kinase
Alias:	C-FES; C-fes/fps protein; Feline sarcoma oncogene; FES/FPS; FPS; Kinase Fes; Oncogene FES, feline sarcoma virus; CCDS10365.1; ENSG00000182511
UniProt ID:	P07332
Sequence Predicted Mass (KDa):	93.497 (822 AA; P07332-1); 86.663 (764 AA; P07332-3); 78.633 (694 AA; P07332-1); 85.466 (752 AA; P07332-4)
Observed SDS-PAGE Mass (KDa):	93-100

Immunogen

Antibody Immunogen Source:	Human Fes sequence peptide Cat. No.: PE-04AFT90
Antibody Immunogen Sequence:	GV(pY)AA(pS)GGSL(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues G711 to L720; 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:	Tyr-713+Ser-716

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:	150106
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 immunoreactivity of a target-sized protein by Western blotting in HEK-293 cells, which is forskolin-induced and in EGF-treated HeLa cells.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in MCF7 cells, but a medium immunoreactive 150 KDa protein was detected in HEK-293 and HeLa cells.

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)