

AB-PK651

GTF2F1-pS385+pT389 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase GTF2F1



KINEXUS

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Target Protein

Name Long:	General transcription factor IIF subunit 1
Alias:	BTF4; General transcription factor IIF polypeptide 1 74 kDa subunit protein; General transcription factor IIF, polypeptide 1 (74kD subunit); General transcription factor IIF, polypeptide 1, 74kDa; RAP74; T2FA; TF2F1; TFIIF; Transcription initiation factor IIF alpha subunit; Transcription initiation factor IIF subunit alpha; Transcription initiation factor RAP74
UniProt ID:	P35269
Sequence Predicted Mass (KDa):	58.240 (517 AA; P35269)
Observed SDS-PAGE Mass (KDa):	66-74

Immunogen

Antibody Immunogen Source:	Human GTF2F1 sequence peptide Cat. No.: PE-04AMS95
Antibody Immunogen Sequence:	RGN(pS)RPG(pT)PSA(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues R382 to A392; in the TFIIF_alpha domain
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-385+Thr-389

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:	141107
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.
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium immunoreactivity of a target-sized protein by Western blotting in maturing, germinal vesicle positive, sea star oocytes.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in A431, Jurkat and MCF7 cells, except for a strong immunoreactive ~75 KDa protein in FBS-treated A431 cells and germinal vesicle positive-maturing 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)