

WNK1

Full Name:

WNK1 (2360 - 2382)

Long Name Text:

WNK lysine deficient protein kinase 1

Immuno Sequence:

QNFNISNLQKSISNPPGSNLRTT [Residies 2360 - 2382 of human]

Phosphopeptide:

QNFNISNLQKSISNPPGSNLRTT [Residies 2360 - 2382 of human]

Aliases

WNK1

Sheep No:

S062B

Monoclonal/Polyclonal:

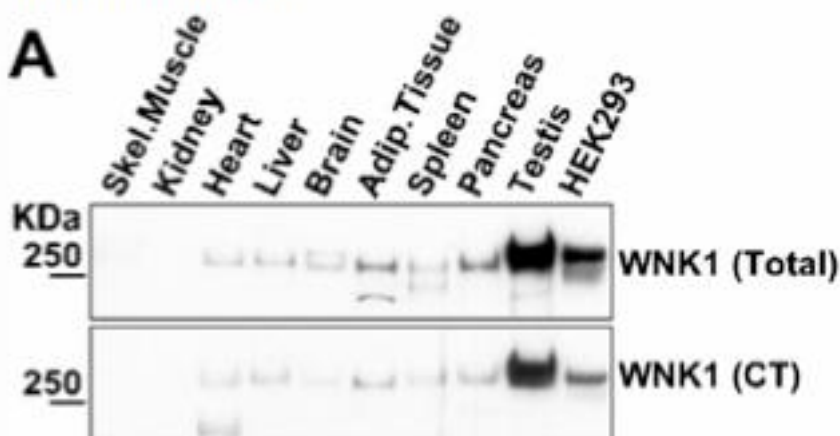
Polyclonal

Purification Method:

Affinity purified against WNK1 (2360 – 2382) peptide.

Gel Image:

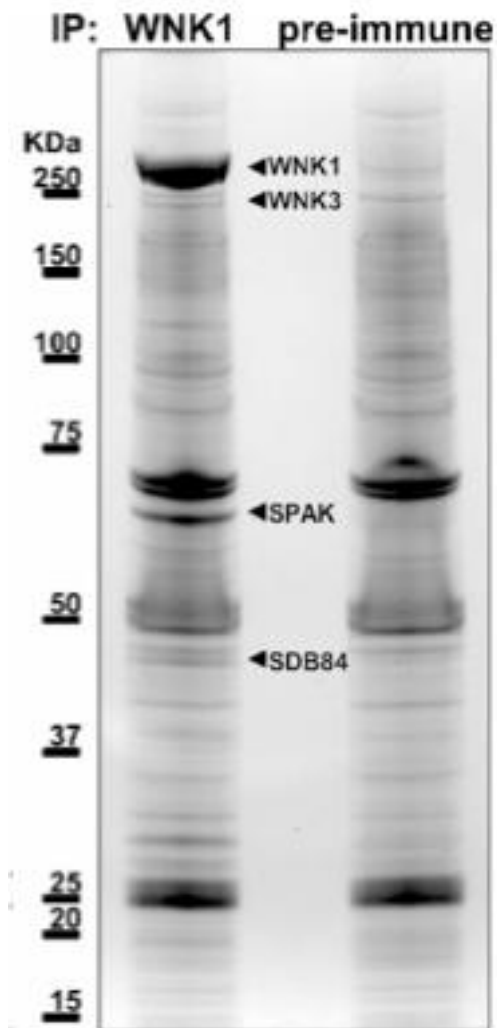
Immunoblotting:



Rat tissue extracts (40 µg of protein) and HEK 293 cellular extract (40 µg of protein) were subjected to SDS-Page analysis before being transferred to nitrocellulose membrane and immunoblotted with anti-WNK1 at 1 µg/ml. Binding of the primary antibody was detected using rabbit peroxidase conjugated anti-sheep IgG antibody (1 in 10,000 dilution, Pierce) followed by enhanced chemiluminescence (ECL, Amersham).

Immunoprecipitation:

B



WNK1 and pre immune IgG antibodies were covalently coupled to protein G Sepharose in a ratio of 1 mg of antibody to 1 ml of resin using a dimethyl pimelimidate cross-linking procedure. As a pre-clearing step, 50 mg of rat testis lysate was incubated at 4 °C for 20 mins on a rolling shaker with 0.5 ml of protein G-Sepharose. The supernatant was then incubated at 4 °C for 1 hour on a rolling shaker with 50 μ l of WNK1 or IgG-Protein G-Sepharose conjugated antibodies. The immunoprecipitates were washed four times with 10 ml of 10 mM Tris-HCl pH 8 / 0.1 mM EGTA. The resin was resuspended in SDS-Page sample buffer and subjected to SDS-Page analysis with staining with Coomassie blue.

Publication:

[The WNK1 and WNK4 protein kinases that are mutated in Gordon's hypertension syndrome phosphorylate and activate SPAK and OSR1 protein kinase](#)

Price per aliquot (100 μ g):

£110.00