

DESCRIPTION

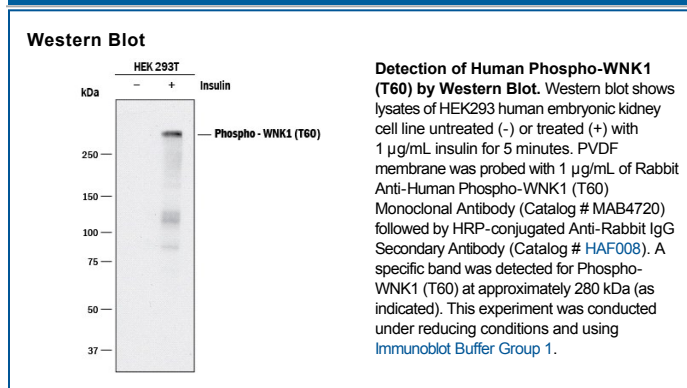
Species Reactivity	Human
Specificity	Detects human WNK1 when phosphorylated at T60 in Western blots.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1259F
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Phosphopeptide containing human WNK1 T60 site Accession # Q9H4A3
Formulation	Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C, as supplied. ● 1 month, 2 to 8 °C under sterile conditions after opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

With No Lysine (K) 1 (WNK1) belongs to a novel family of serine/threonine protein kinases involved in regulating ion transport. The WNKs contain a cysteine instead of the usual lysine in their kinase activation domains. WNK1 mutations have been implicated in Pseudohypoaldosteronism type II (PHAII), an autosomal dominant disorder characterized by hypertension, increased renal salt absorption, and impaired potassium and hydrogen excretion. WNK1 is phosphorylated by Akt1 and Akt2 at T60, and may function as a negative regulator of insulin-stimulated mitogenesis.

PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.