

DESCRIPTION

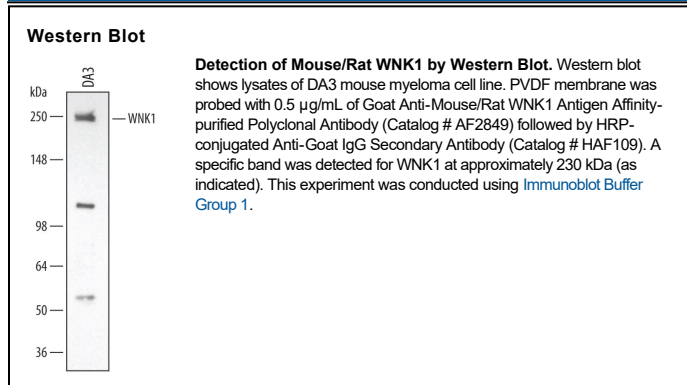
Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat WNK1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant rat WNK1 Ser816-Ser1173 Accession # Q9JIH7
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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	0.5 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. 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 reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 Pseudohypaldosteronism type II (PHAII), an autosomal dominant disorder characterized by hypertension, increased renal salt absorption, and impaired potassium and hydrogen excretion.