

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat PDZK1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse PDZK1 aa 1-519 Accession # Q9JIL4
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

PDZK1 (PDZ Domain-containing 1; also CFTR-associated protein of 70 kDa/CAP70) is a 65-70 kDa member of the NHER (Na/H Exchange Regulator) family of proteins. It is only expressed in epithelium, particularly that found in intestine, kidney and liver. PDZK1 serves as a scaffold protein that connects cell membrane proteins to cytoplasmic regulators. It also serves a critical role in basal-level bicarbonate secretion. Mouse PDZK1 is 519 amino acids (aa) in length and contains four PDZ domains (aa 9-90; 128-215; 243-323; and 378-458) plus three phosphorylation sites at Ser489, Ser492 and Ser514. Mouse PDZK1 shares 78% and 91% aa identity with human and rat PDZK1, respectively.

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