

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse PDZK1.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human PDZK1 Met1-Met519 Accession # Q5T2W1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunohistochemistry	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 membrane proteins to cytoplasmic regulators. Human PDZK1 is 519 amino acids (aa) in length. It contains four PDZ domains (aa 9 - 90; 134 - 215; 243 - 323; and 378 - 458) plus two phosphorylation sites at Ser492 and Ser514. There are two potential truncated forms of human PDZK1, one that ends after Leu330, and a second that ends after Lys264. Human PDZK1 shares 78% aa identity with mouse PDZK1.

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