



Anti-PDZK1 (full length) polyclonal antibody (DPAB-DC2206)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a PDZ domain-containing scaffolding protein. PDZ domain-containing molecules bind to and mediate the subcellular localization of target proteins. The encoded protein mediates the localization of cell surface proteins and plays a critical role in cholesterol metabolism by regulating the HDL receptor, scavenger receptor class B type 1. Single nucleotide polymorphisms in this gene may be associated with metabolic syndrome, and overexpression of this gene may play a role in drug resistance of multiple myeloma. Pseudogenes of this gene are located on the long arm of chromosome 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Immunogen	PDZK1 (AAH06496, 1 a.a. ~ 519 a.a) full-length recombinant protein with GST tag. The sequence is MTSTFNPRECKLSKQEGQNYGFFLRIEKDTEGHLVRVVEKCSPAEKAGLQDGDRVLRING VFVDKEEHMQVVDLVRKSGNSVTLLVLDGDSYEKAVKTRVDLKELGQSQKEQGLSDNILS PVMNGGVQWTQTQPRLCYLVKEGGSYGFSKTVQGKKGVMYMTDITPQGVAMRAGVLADDHL IEVNGENVEDASHEEVVEKVKKSGSRVMFLLVDKETDKRHVEQKIQFKRETASLKLLPHQ PRIVEMKKGSNGYGFYLRAGSEQKGQIIKDIDSGSPAEEAGLKNNDLVAVNGESVETLD HDSVEMIRKGGDQTSLLVVDKETDNMYRLAHFSPFLYYQSQELPNGSVKEAPAPTPTSL EVSSPPDTTEEVDPKPKLCRLAKGENGYGFHLNAIRGLPGSFI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PDZK1 PDZ domain containing 1 [Homo sapiens (human)]
Official Symbol	PDZK1
Synonyms	PDZK1; PDZ domain containing 1; CAP70; CLAMP; PDZD1; NHERF3; NHERF-3; Na(+)/H(+) exchange regulatory cofactor NHE-RF3; naPi-Cap1; PDZ-containing kidney protein 1; CFTR-associated protein of 70 kDa; sodium-hydrogen exchanger regulatory factor 3; na/Pi cotransporter C-terminal-associated protein 1;
Entrez Gene ID	5174
Protein Refseq	NP_001188254
UniProt ID	Q5T2W1
Chromosome Location	1q21
Function	PDZ domain binding; protein binding; protein complex binding; scavenger receptor binding