

PANK1 Polyclonal Antibody

Catalog number: 11768-1-AP

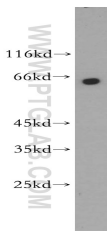
Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

PANK1; hPanK, hPanK1, PANK,
PANK1, PANK1a, PANK1b,
pantothenate kinase 1,
Pantothenic acid kinase 1



Raji cells were subjected to SDS PAGE followed by western blot with 11768-1-AP (PANK1 antibody) at dilution of 1:300

Background

PANK1 (Pantothenate kinase 1) is also named as PanK and belongs to the type II pantothenate kinase family. The PANK1 protein, which catalyzes the rate-limiting step of coenzyme A biosynthesis, is also upregulated by p53 (PMID:20833636). It also catalyzes the cytosolic phosphorylation of pantothenate (vitamin B5) and derivatives. This protein has 4 isoforms produced by alternative splicing with the molecular weight of 64 kDa, 42 kDa, 36 kDa and 45 kDa, respectively.

Applications

Tested applications:	ELISA, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated PANK1 MW:	598aa, 64kd
Observed PANK1 MW:	64kd
Positive WB detected in	Raji cells, HeLa cells, human heart tissue, MCF7 cells, SW 1990 cells
Recommended dilution:	WB: 1:200-1:1000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2324
GenBank accession number:	BC026296
Gene ID (NCBI):	53354
Full name:	Pantothenate kinase 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.