

AKD2 Polyclonal antibody

Catalog Number: 27554-1-AP

1 Publications

Basic Information

Catalog Number: 27554-1-AP	GenBank Accession Number: BC022031	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 221264	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	Full Name: adenylate kinase domain containing 2	
Isotype: IgG	Calculated MW: 221 kDa	
Immunogen Catalog Number: AG25805	Observed MW: 45-50 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: SMMC-7721 cells, HepG2 cells, HuH-7 cells
Species Specificity: Human	IHC: human heart tissue, human liver cancer tissue
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

AK9, also named as adenylate kinase 9, belongs to adenylate kinase family, which is a small, usually monomeric, enzyme found in every living thing due to its crucial role in energetic metabolism (PMID: 30666486). AK9 is a nucleoside mono- and diphosphate kinase due to its broad phosphatase activity, the local concentration of substrates probably influences catalytic activity (PMID: 24495878). This antibody can detect 45-50 kDa band of AK9 (PMID: 23416111).

Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Hua	38051288	Mol Carcinog	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

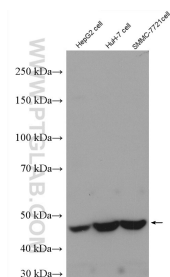
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

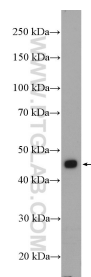
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
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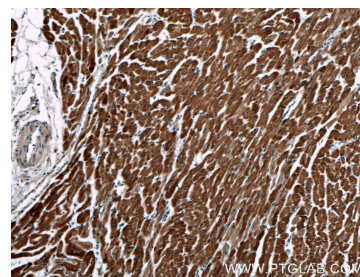
Selected Validation Data



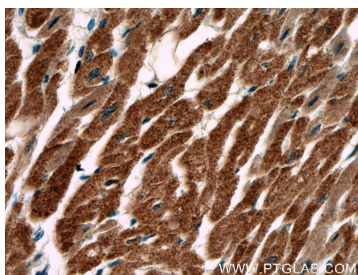
Various lysates were subjected to SDS PAGE followed by western blot with 27554-1-AP (AKD2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



SMMC-7721 cells were subjected to SDS PAGE followed by western blot with 27554-1-AP (AKD2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 27554-1-AP (AKD2 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 27554-1-AP (AKD2 antibody) at dilution of 1:200 (under 40x lens).