

# [KO Validated] PDXK Rabbit pAb

Catalog No.: A21693 **KO Validated**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

35kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
8566	O00764

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-312 of human PDXK (NP\_003672.1).

### Synonyms

PKH; PNK; HMSN6C; PRED79; C21orf97; HEL-S-1a; C21orf124; XK

## Contact

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## Product Information

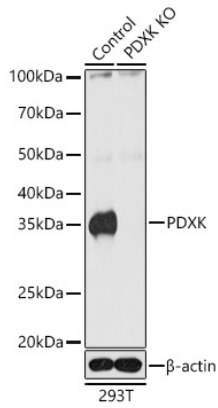
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

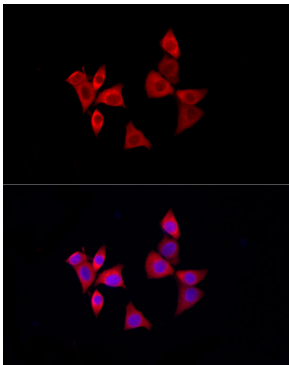
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

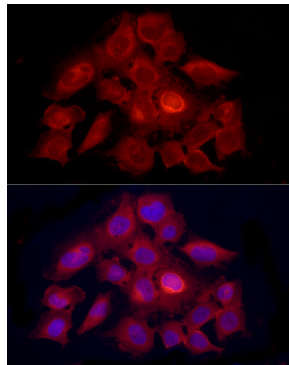
## Validation Data



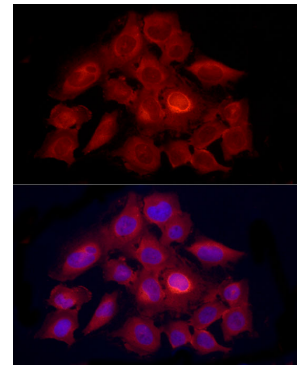
Western blot analysis of extracts from normal (control) and PDXK knockout (KO) 293T cells, using PDXK antibody (A21693) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Immunofluorescence analysis of NIH-3T3 using PDXK antibody (A21693) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa using PDXK antibody (A21693) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa using PDXK antibody (A21693) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.