Rabbit anti-Human PDXK Polyclonal Antibody | anti-PDXK antibody

[KD Validated] PDXK Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283180	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

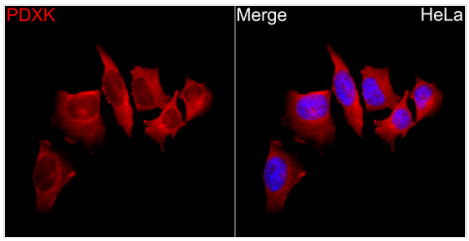
PRODUCT SYNONYMS

PDXK; Polyclonal Antibody; [KD Validated] PDXK Rabbit pAb; PKH; PNK; HMSN6C; PRED79; C21orf97; HEL-S-1a; C21orf124; anti-PDXK antibody

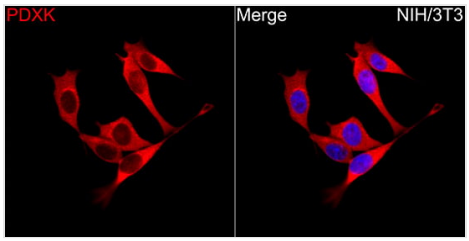
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	SVVMERIRMD IRKVDAVFVG TGDLFAAMLL AWTHKHPNNL KVACEKTVST LHHVLQRTIQ CAKAQAGEGV RPSPMQLELR MVQSKRDIED PEIVVQATVL
Applicable Applications for anti-PDXK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 213-312 of human PDXK (NP_003672.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

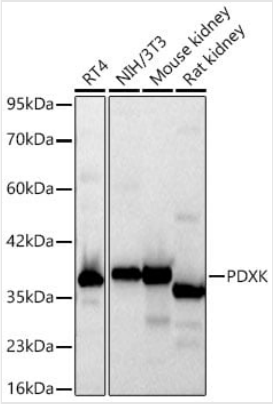
IMAGES



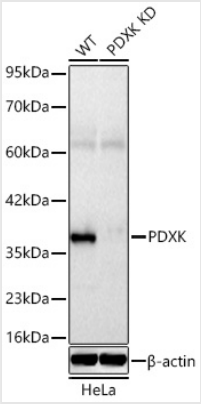
IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using [KD Validated]PDXK Rabbit pAb (AAA283180) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



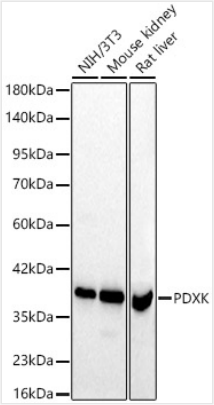
IF (Immunofluorescence)
Immunofluorescence analysis of NIH/3T3 cells using [KD Validated]PDXK Rabbit pAb (AAA283180) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of various lysates using [KD Validated]PDXK Rabbit pAb (AAA283180) at 1:1600 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



WB (Western Blot)
Western blot analysis of lysates from wild type (WT) and PDXK knockdown (KD) HeLa cells using [KD Validated]PDXK Rabbit pAb (AAA283180) at 1:1600 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



WB (Western Blot)
Western blot analysis of various lysates using [KD Validated]PDXK Rabbit pAb (AAA283180) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates / proteins: 25 ug per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-PDXK antibody	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.
Product Categories/Family for anti-PDXK antibody	Cancer; Signal Transduction; Cell Biology Developmental Biology; Endocrine Metabolism; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13543317
NCBI GeneID	8566
UniProt Accession #	O00764; Q7Z2Y0; Q9BS02
Molecular Weight	Calculated MW: 35kDa Observed MW: 35kDa
UniProt Protein Name	Pyridoxal kinase
UniProt Gene Name	**PDXK**

UniProt Synonym Gene Names	C21orf124; C21orf97; PKH; PNK
UniProt Entry Name	PDXK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/pdxk-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283180