

ARG40976 anti-PDXK antibody [1007CT2.1.1]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes PDXK
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1007CT2.1.1
Isotype	IgG1, kappa
Target Name	PDXK
Species	Human
Immunogen	Recombinant protein between aa. 1-312 of Human PDXK.
Conjugation	Un-conjugated
Alternate Names	HEL-S-1a; C21orf97; EC 2.7.1.35; C21orf124; PRED79; PNK; Pyridoxine kinase; PKH; Pyridoxal kinase

Application Instructions

Application table	Application	Dilution
	IHC-P	1:25
	WB	1:4000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293	
Observed Size	35 kDa	

Properties

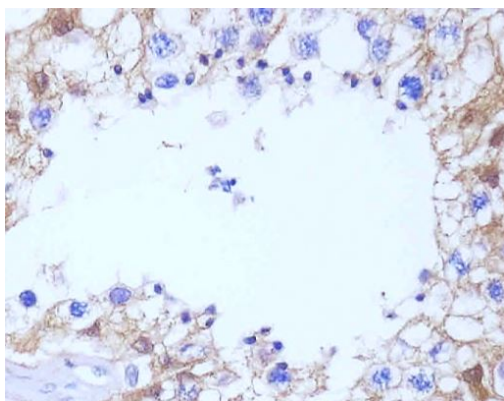
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

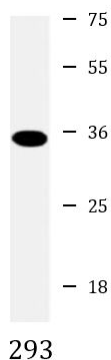
Gene Symbol	PDXK
Gene Full Name	pyridoxal (pyridoxine, vitamin B6) kinase
Background	The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Function	Required for synthesis of pyridoxal-5-phosphate from vitamin B6. [UniProt]
Calculated Mw	35 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG40976 anti-PDXK antibody IHC-P image

Immunohistochemistry: Paraformaldehyde-fixed and paraffin-embedded Human testis tissue. Tissue was blocked with 3% BSA for 0.5 hour at room temperature. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). Samples were stained with ARG40976 anti-PDXK antibody at 1:25 dilution for 1 hours at 37°C.



ARG40976 anti-PDXK antibody WB image

Western blot: 20 µg of 293 cell lysate stained with ARG40976 anti-PDXK antibody at 1:4000 dilution.