
Product Name: KD-Validated Pyridoxal Kinase Mouse Monoclonal Antibody**Catalog #: KVA00289**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 35.1kDa

Antigen Information

Gene Name	PDXK PDXK; Pyridoxal Kinase; PNK; PKH; Pyridoxine Kinase; C21orf124; C21orf97; PRED79; Pyridoxal (Pyridoxine, Vitamin B6) Kinase; EC 2.7.1.35; FLJ21324; FLJ31940; MGC15873;
Alternative Names	Epididymis Secretory Sperm Binding Protein Li 1a; Chromosome 21 Open Reading Frame 124; Chromosome 21 Open Reading Frame 97; Pyridoxamine Kinase; Vitamin B6 Kinase; HEL-S-1a; HMSN6C
Gene ID	8566.0
SwissProt ID	O00764
Immunogen	Recombinant protein of human PDXK

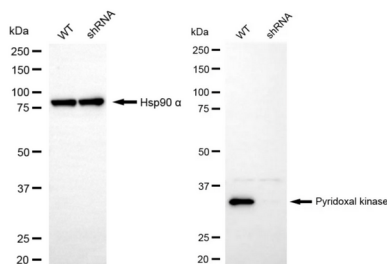
Background

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]

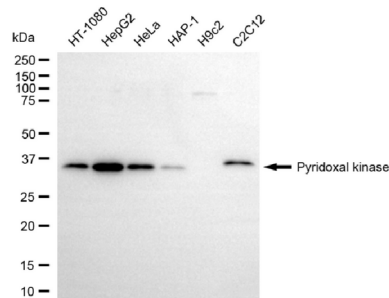
Research Area

Signal Transduction, Cell Biology, Metabolism

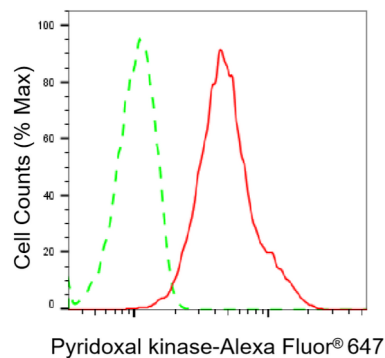
Image Data



Western blotting analysis using pyridoxal kinase antibody (KVA00289). Pyridoxal kinase expression in wild-type (WT) and pyridoxal kinase (PDXK) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with pyridoxal kinase antibody (KVA00289, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using pyridoxal kinase antibody (KVA00289). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with pyridoxal kinase antibody (KVA00289, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Pyridoxal kinase expression in HepG2 cells using Pyridoxal kinase antibody (KVA00289, 1:2,000). Green, isotype control; red, Pyridoxal kinase.