

PDK2 Rabbit mAb

Catalog No.: A4737 **Recombinant** **3 Publications**

Basic Information

Observed MW

46kDa

Calculated MW

39kDa/46kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1113

Background

This gene encodes a member of the pyruvate dehydrogenase kinase family. The encoded protein phosphorylates pyruvate dehydrogenase, down-regulating the activity of the mitochondrial pyruvate dehydrogenase complex. Overexpression of this gene may play a role in both cancer and diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

5164

Swiss Prot

Q15119

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

PDHK2; PDKII; PDK2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

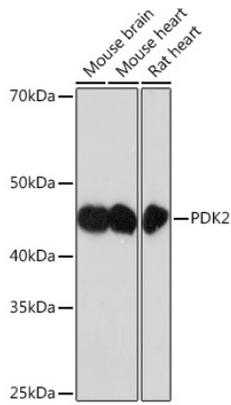
Affinity purification

Storage

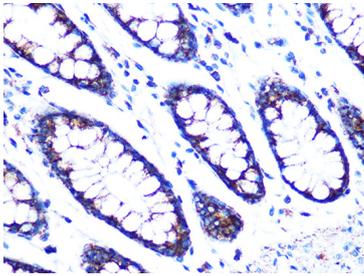
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using PDK2 Rabbit mAb (A4737) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded Human colon using PDK2 Rabbit mAb (A4737) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.