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Datasheet for ABIN391251  
**anti-PGK2 antibody (N-Term)**

3 Images

Overview

Quantity:	400 µL
Target:	PGK2
Binding Specificity:	AA 117-145, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PGK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 117-145 amino acids from the N-terminal region of human PGK2.
Clone:	RB5466
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PGK2
Alternative Name:	PGK2 ( <a href="#">PGK2 Products</a> )

## Target Details

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**Background:** PGK2 is a form of phosphoglycerate kinase unique to spermatozoa. The autosomal PGK2 gene lacks introns and contains characteristics of a processed gene. The conservation of function in this processed PGK2 gene and its tissue-specific expression in spermatogenesis suggests that it exists as a compensatory response to the inactivation of the X-linked PGK1 gene in spermatogenic cells before meiosis.

**Molecular Weight:** 44796

**Gene ID:** 5232

**NCBI Accession:** [NP\\_620061](#)

**UniProt:** [P07205](#)

## Application Details

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**Application Notes:** WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

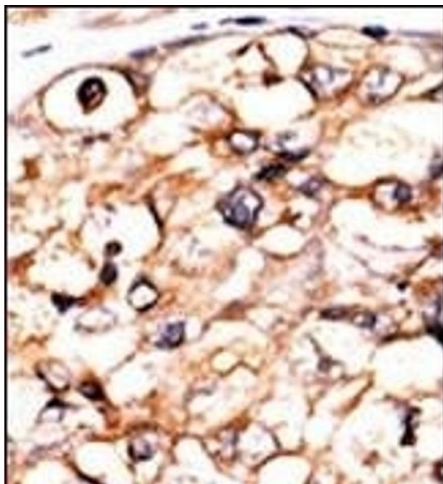
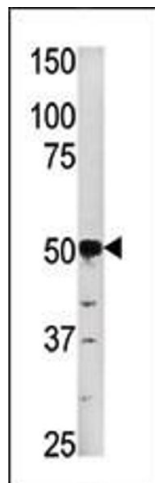
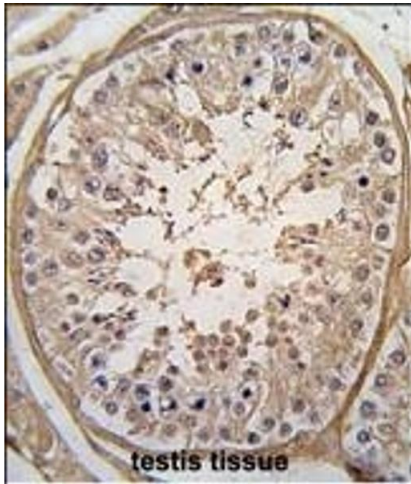
**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C,-20 °C

**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human testis tissue reacted with PGK2 Antibody (N-term) (ABIN391251 and ABIN2841311) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

### Western Blotting

**Image 2.** Western blot analysis of anti-PGK2 (ABIN391251 and ABIN2841311) in HepG2 cell line lysate (35  $\mu$ g/lane).PGK2(arrow) was detected using the purified Pab.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.