

Datasheet for ABIN6242289  
**anti-DPPA3 antibody (C-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	400 µL
Target:	DPPA3
Binding Specificity:	AA 134-170, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPPA3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This mouse Dppa3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 134-170 amino acids from the C-terminal region of mouse Dppa3.
Clone:	RB51138
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	DPPA3
Alternative Name:	Dppa3 ( <a href="#">DPPA3 Products</a> )
Background:	Primordial germ cell (PGCs)-specific protein involved in epigenetic chromatin reprogramming in

## Target Details

the zygote following fertilization. In zygotes, DNA demethylation occurs selectively in the paternal pronucleus before the first cell division, while the adjacent maternal pronucleus and certain paternally-imprinted loci are protected from this process. Participates in protection of DNA methylation in the maternal pronucleus by preventing conversion of 5mC to 5hmC: specifically recognizes and binds histone H3 dimethylated at 'Lys-9' (H3K9me2) on maternal genome, and protects maternal genome from TET3-mediated conversion to 5hmC and subsequent DNA demethylation. Does not bind paternal chromatin, which is mainly packed into protamine and does not contain much H3K9me2 mark. Also protects imprinted loci that are marked with H3K9me2 in mature sperm from DNA demethylation in early embryogenesis. May be important for the totipotent/pluripotent states continuing through preimplantation development. Also involved in chromatin condensation in oocytogenesis.

Molecular Weight: 17670

UniProt: [Q8QZY3](#)

## Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

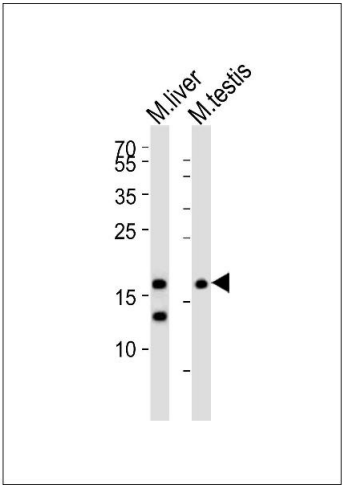
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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

Expiry Date: 6 months



Western Blotting

**Image 1.** Western blot analysis of lysates from mouse liver, mouse testis tissue (from left to right), using (Mouse) Dppa3 Antibody (C-term) (ABIN6242289 and ABIN6577718). (ABIN6242289 and ABIN6577718) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.