

Datasheet for ABIN969297

**anti-MTHFR antibody**

5 Images

2 Publications

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## Overview

Quantity:	100 µL
Target:	MTHFR
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MTHFR antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Purified recombinant fragment of human MTHFR expressed in E. coli.
Clone:	5D3
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	MTHFR
Alternative Name:	MTHFR ( <a href="#">MTHFR Products</a> )
Background:	Description: The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this

## Target Details

gene are associated with methylenetetrahydrofolate reductase deficiency.

Aliases: MTHFR

Molecular Weight: 75 kDa

Gene ID: 4524

HGNC: 4524

Pathways: [Methionine Biosynthetic Process](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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.

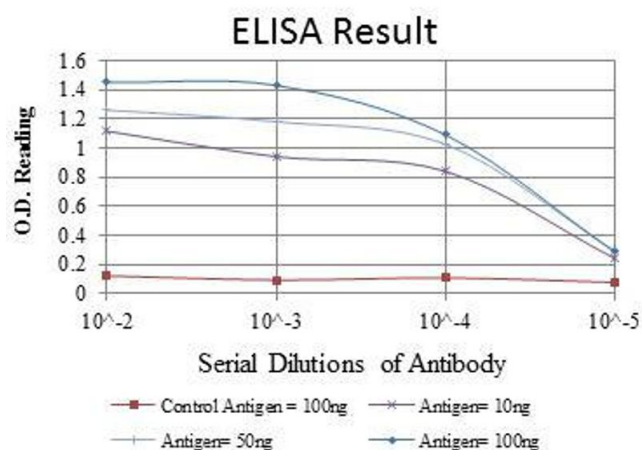
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

## Publications

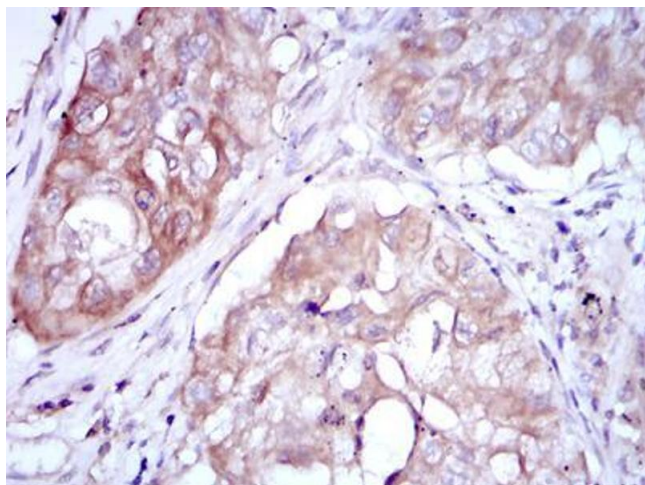
Product cited in: Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) ([PubMed](#)).

Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) ([PubMed](#)).



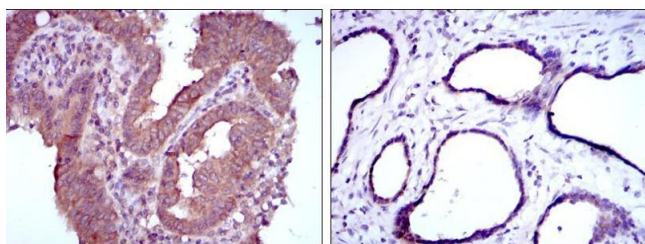
**ELISA**

**Image 1.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



**Immunohistochemistry**

**Image 2.** Immunohistochemical analysis of paraffin-embedded lung cancer using MTHFR mouse mAb with DAB staining.



**Immunohistochemistry**

**Image 3.** Immunohistochemical analysis of paraffin-embedded intima cancer tissues (left) and prostate tissues (right) using MTHFR mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969297.