Datasheet for ABIN1881559

anti-MTHFR antibody (AA 266-292)

1 Image | 5 Publications

Go to Product page

Overview

Quantity:	400 µL
Target:	MTHFR
Binding Specificity:	AA 266-292
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTHFR antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This MTHFR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-292 amino acids from the Central region of human MTHFR.
Clone:	RB41196
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MTHFR
Alternative Name:	MTHFR (MTHFR Products)

Target Details

Background:	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 gene are associated with methylenetetrahydrofolate reductase deficiency.
Molecular Weight:	74597
NCBI Accession:	NP_005948
UniProt:	P42898
Pathways:	Methionine Biosynthetic Process

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

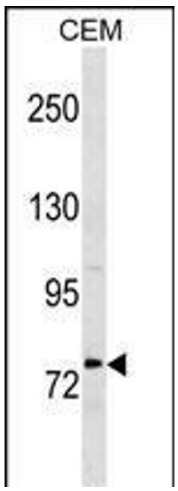
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Akpa, Oyejola: "Modeling the transmission dynamics of HIV/AIDS epidemics: an introduction and a review." in: **Journal of infection in developing countries**, Vol. 4, Issue 10, pp. 597-608, (2010) (PubMed). Kladney, Cardiff, Kwiatkowski, Chiang, Weber, Arbeit, Lu: "Tuberous sclerosis complex 1: an epithelial tumor suppressor essential to prevent spontaneous prostate cancer in aged mice." in: **Cancer research**, Vol. 70, Issue 21, pp. 8937-47, (2010) (PubMed).

Publications

Images



Western Blotting

Image 1. MTHFR Antibody (Center) (ABIN1881559 and ABIN2838806) western blot analysis in CEM cell line lysates (35 µg/lane).This demonstrates the MTHFR antibody detected the MTHFR protein (arrow).