

# Product Datasheet

## MTHFR Antibody H00004524-D01P

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00004524-D01P**

MTHFR Antibody

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)

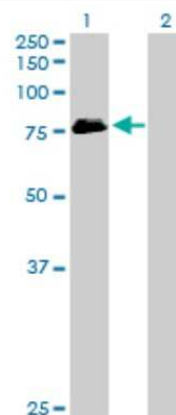
Product Description	
<b>Description</b>	Quality control test: Antibody reactive against mammalian transfected lysate.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4524
<b>Gene Symbol</b>	MTHFR
<b>Species</b>	Human, Plant
<b>Reactivity Notes</b>	Plant reactivity reported in scientific literature (PMID: 23221678).
<b>Specificity/Sensitivity</b>	MTHFR - 5,10-methylenetetrahydrofolate reductase (NADPH),
<b>Immunogen</b>	MTHFR (AAH53509.1, 1 a.a. - 656 a.a.) full-length human protein. MVNEARGNSSLNPCLEGSASSGSESSKDSSRCSTPGLDPERHERLREKMRR RLESGDKWFSLEFFPPRTAEGAVNLISRFDRMAAGGPLYIDVTWHPAGDPSGD KETSSMMIASTAVNYCGLETILHMTCCRQRLEEITGHLHKAKQLGLKNIMALRG DPIGDQWEEEEGGFNAYVDLVKHIRSEFGDYFDICVAGYPKGHPAEGSFADL KHLKEKVSAGADFIITQLFFEADTFFRFVKACTIONGTCPIVPGIFPIQGYHSLRQ LVKLSKLEVPQEIKDVIPIKDNDAAIRNYGIELAVSLCQELLASGLVPGLHFYTL NREMATTEVLKRLGMWTEPRRPLPWALSAHPKRREEDVRPIFWASRPKSYIY RTQEWDEFNPNRWGNSSSPAFGELKDYYLFYLSKSPKEELLKMWGEELTSE ASVFEVFLVLYLSGEPNRNGHKVTCLPWNDPLAETSLLKEELLRVNRQGILTI NSQPNINGKPSSDPIVWGPGSGGYVFQKAYLEFFTSRETAEALLQVLKKEYLR VNYHLVNVKGENITNAPELQPNVAVTWGIFGREIIQPTVVDPVSFPMFWKDEAFA LWIEQWGKLYEEESPRTIIQYIHDNYFLVNLVDNDFPLDNCLWQVVEDTLELL NRPTQNARETEAP
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control.



## Images

Western Blot: MTHFR Antibody [H00004524-D01P] - Analysis of MTHFR expression in transfected 293T cell line by MTHFR polyclonal antibody. Lane 1: MTHFR transfected lysate(74.50 KDa). Lane 2: Non-transfected lysate.



## Publications

Hung CY, Fan L, Kittur F et al. Alteration of the alkaloid profile in genetically modified tobacco reveals a role of methylenetetrahydrofolate reductase in nicotine N-demethylation *Plant Physiol* 2012-12-05 [PMID: 23221678] (WB, Plant)



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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