

# THTPA Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant THTPA.

Catalog # AT4236a

## Product Information

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<b>Application</b>	WB, IHC, E
<b>Primary Accession</b>	<a href="#">Q9BU02</a>
<b>Other Accession</b>	<a href="#">BC002984</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	3F6
<b>Calculated MW</b>	25566

## Additional Information

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<b>Gene ID</b>	79178
<b>Other Names</b>	Thiamine-triphosphatase, ThTPase, THTPA
<b>Target/Specificity</b>	THTPA (AAH02984, 1 a.a. ~ 230 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	THTPA Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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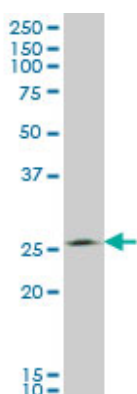
Thiamine triphosphatase (THTPA) catalyzes the hydrolysis of thiamine triphosphate (THTP) to thiamine diphosphate (THDP), which is the major cellular form of thiamine (vitamin B1) (Lakaye et al., 2002 [PubMed 11827967]).

## References

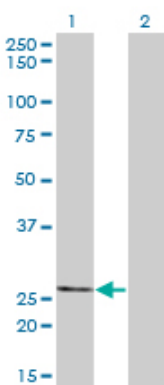
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1.Thiamine status in humans and content of phosphorylated thiamine derivatives in biopsies and cultured cells.Gangolf M, Czerniecki J, Radermecker M, Detry O, Nisolle M, Jouan C, Martin D, Chantraine F, Lakaye B, Wins P, Grisar T, Bettendorff L.PLoS One. 2010 Oct 25;5(10):e13616.2.The Iron-Regulated Metastasis Suppressor, NdrG-1: Identification of Novel Molecular Targets.Kovacevic Z, Fu D, Richardson DR.Biochim

## Images

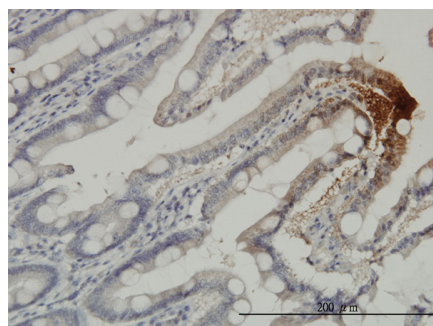


THTPA monoclonal antibody (M01), clone 3F6 Western Blot analysis of THTPA expression in A-431 ( Cat # L015V1 ).

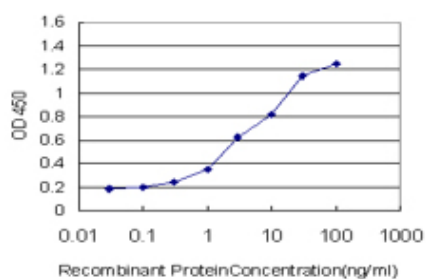


Western Blot analysis of THTPA expression in transfected 293T cell line by THTPA monoclonal antibody (M01), clone 3F6.

Lane 1: THTPA transfected lysate(25.6 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to THTPA on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged THTPA is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.