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THTPA Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant THTPA.
Catalog # AT4236a

Product Information

Application	WB, IHC, E
Primary Accession	Q9BU02
Other Accession	BC002984
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3F6
Calculated MW	25566

Additional Information

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

Background

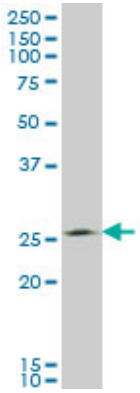
Thiamine triphosphatase (THTPA) catalyzes the hydrolysis of thiamine triphosphate (THTP) to thiamine diphosphate (THDP), which is the major cellular form of thiamine (vitamin B1) (Lakaye et al., 2002 [PubMed 11827967]).

References

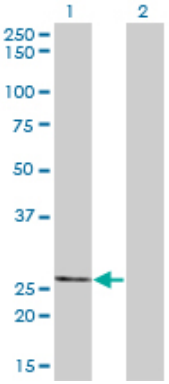
1.Thiamine status in humans and content of phosphorylated thiamine derivatives in biopsies and cultured cells.Gangolf M, Czerniecki J, Radermecker M, Detry O, Nisolle M, Jouan C, Martin D, Chantraine F, Lakaye B, Wins P, Grisar T, Bettendorff L.PLoS One. 2010 Oct 25;5(10):e13616.2.The Iron-Regulated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

Biophys Acta. 2008 Oct;1783(10):1981-92. Epub 2008 Jun 26.

Images

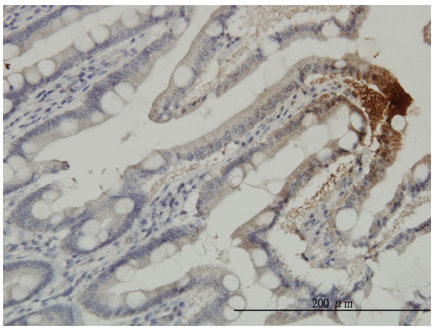


THTPA monoclonal antibody (M01), clone 3F6 Western Blot analysis of THTPA expression in A-431 (Cat # L015V1).

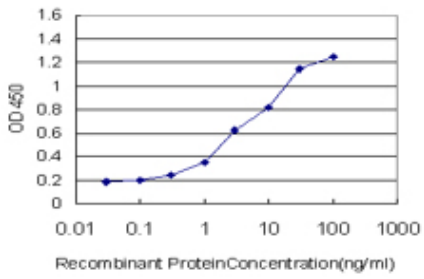


Western Blot analysis of THTPA expression in transfected 293T cell line by THTPA monoclonal antibody (M01), clone 3F6.

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'.