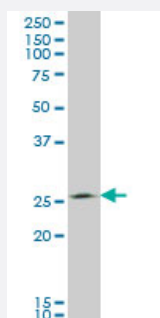


THTPA monoclonal antibody (M01), clone 3F6

Catalog # H00079178-M01

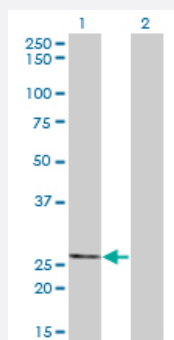
Size 100 ug

Applications



Western Blot (Cell lysate)

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

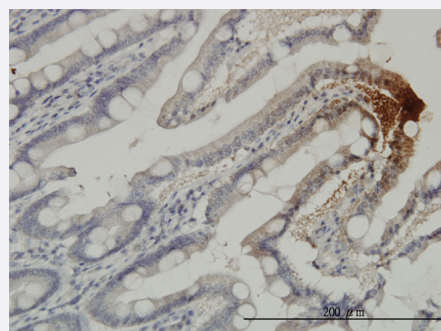


Western Blot (Transfected lysate)

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).

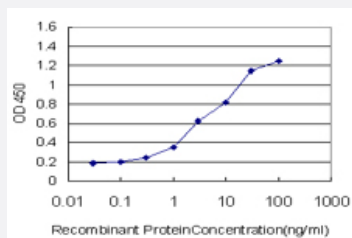
Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

Sandwich ELISA (Recombinant protein)



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

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant THTPA.
Immunogen	THTPA (AAH02984, 1 a.a. ~ 230 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAQGLIEVERKFLPGPGTEERLQELGGTLEYRVTFRDYYDTPELSLMQADHWLRRREDSGWEL KCPGAAGVLGPHTEYKELTAEPTVAQLCKVLRADGLGAGDVAAVLGPLGLQEVSFVTKRSAW KLVLLGADEEEEPQLRVDLDTADFGYAVGEVEALVHEEAEPVTALEKIHRLSSMLGVPAQETAPAK LVYLQRFQDYQRLLEVNSSRERPQETEDPDHCLG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (74); Rat (73)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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

[Protocol Download](#)

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — THTPA

Entrez GeneID [79178](#)

GeneBank Accession# [BC002984](#)

Protein Accession# [AAH02984](#)

Gene Name THTPA

Gene Alias MGC2652, THTP, THTPASE

Gene Description thiamine triphosphatase

Omim ID [611612](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]).[supplied by OMIM]

Other Designations -

Publication Reference

- [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; 5(10):e13616.

Application: WB-Ti, WB-Ce, Human, Ectocervix; Endometrium, Human recombinant ThTPase, Human LN-18 glioblastoma cells, Human SK-N-BE neuroblastoma cells, Trophoblasts, Uterus

- [The Iron-Regulated Metastasis Suppressor, Ndr-1: Identification of Novel Molecular Targets.](#)

Kovacevic Z, Fu D, Richardson DR.

Biochimica et Biophysica Acta 2008 Jun; 1783(10):1981.

Application: WB-Tr, Human, DLD-1, NCI-H1299, MIAPaCa-2 cells

Pathway

- [Metabolic pathways](#)
- [Thiamine metabolism](#)