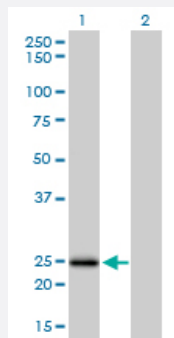


NUDT5 monoclonal antibody (M04), clone 2A3

Catalog # H00011164-M04

Size 100 ug

Applications

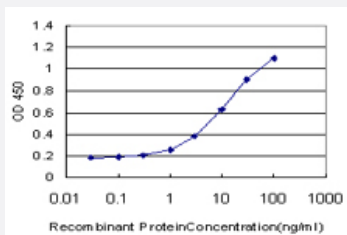


Western Blot (Transfected lysate)

Western Blot analysis of NUDT5 expression in transfected 293T cell line by NUDT5 monoclonal antibody (M04), clone 2A3.

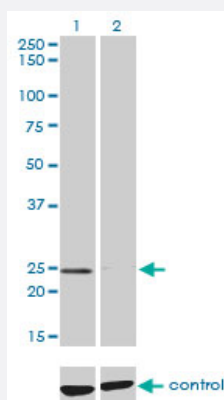
Lane 1: NUDT5 transfected lysate (24.3 kDa).

Lane 2: Non-transfected lysate.



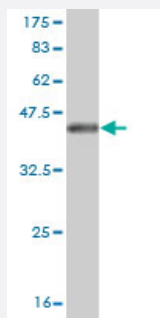
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT5 is approximately 1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of NUDT5 over-expressed 293 cell line, cotransfected with NUDT5 Validated Chimera RNAi (Cat # H00011164-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NUDT5 monoclonal antibody (M04), clone 2A3 (Cat # H00011164-M04). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NUDT5.
Immunogen	NUDT5 (NP_054861, 120 a.a. ~ 219 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KGDIAECSPAVCMDPGLSNCTIHMTVTINGDDAENARPKPKPGDGEFVEVISLPKNDLLQRLDAL VAEEHLTVDARVYSYALALKHANAKPFEVPFLKF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (86)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
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 (Transfected lysate)

Western Blot analysis of NUDT5 expression in transfected 293T cell line by NUDT5 monoclonal antibody (M04), clone 2A3.

Lane 1: NUDT5 transfected lysate(24.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT5 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of NUDT5 over-expressed 293 cell line, cotransfected with NUDT5 Validated Chimera RNAi (Cat # H00011164-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NUDT5 monoclonal antibody (M04), clone 2A3 (Cat # H00011164-M04). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — NUDT5

Entrez GeneID [11164](#)

GeneBank Accession# [NM_014142](#)

Protein Accession# [NP_054861](#)

Gene Name NUDT5

Gene Alias YSA1, YSA1H, hYSAH1

Gene Description nudix (nucleoside diphosphate linked moiety X)-type motif 5

Omim ID [609230](#)

Gene Ontology [Hyperlink](#)

Gene Summary Nudix hydrolases, such as NUDT5, eliminate toxic nucleotide derivatives from the cell and regulate the levels of important signaling nucleotides and their metabolites (McLennan, 1999 [PubMed 10373642]).[supplied by OMIM]

Other Designations OTTHUMP00000019112|nucleoside diphosphate linked moiety X-type motif 5|nudix-type motif 5

Pathway

- [Purine metabolism](#)