

## Product datasheet for **TA501138M**

### NIT2 Mouse Monoclonal Antibody [Clone ID: OTI1A6]

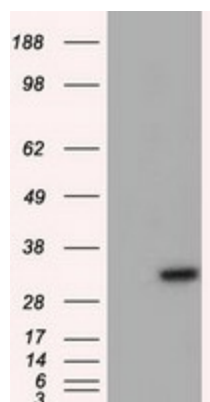
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A6
Applications:	IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:50
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NIT2 (NP_064587) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.84 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30.4 kDa
Gene Name:	nitrilase family member 2
Database Link:	<a href="#">NP_064587</a> <a href="#">Entrez Gene 52633 Mouse</a> <a href="#">Entrez Gene 288174 Rat</a> <a href="#">Entrez Gene 56954 Human</a> <a href="#">Q9NQR4</a>
Background:	Has a omega-amidase activity. The role of omega-amidase is to remove potentially toxic intermediates by converting alpha-ketoglutaramate and alpha-ketosuccinamate to biologically useful alpha-ketoglutarate and oxaloacetate, respectively. Overexpression decreases the colony-forming capacity of cultured cells by arresting cells in the G2 phase of the cell cycle

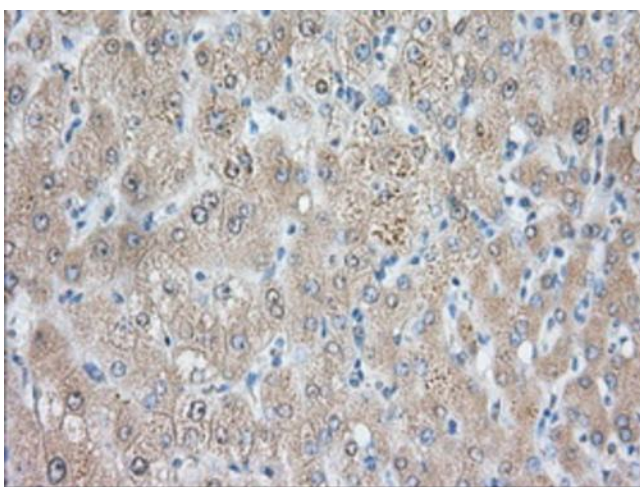

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Synonyms: HEL-S-8a

## Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NIT2 ([RC210660], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NIT2. Positive lysates [LY402761] (100ug) and [LC402761] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-NIT2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.