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Product datasheet for TA501084S

NIT1 Mouse Monoclonal Antibody [Clone ID: OTI3A11]

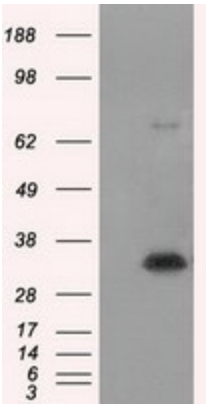
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A11
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, Flow 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NIT1 (NP_005591) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.87 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:	35.7 kDa
Gene Name:	nitrilase 1
Database Link:	NP_005591 Entrez Gene 27045 MouseEntrez Gene 289222 RatEntrez Gene 4817 Human Q86X76
Background:	Play a role in cell growth and apoptosis: loss of expression promotes cell growth and resistance to DNA damage stress. Has tumor suppressor properties that enhances the apoptotic responsiveness in cancer cells; this effect is additive to the tumor suppressor activity of FHIT. it is also a negative regulator of primary T-cells. Has apparently no omega-amidase activity such as NIT2.

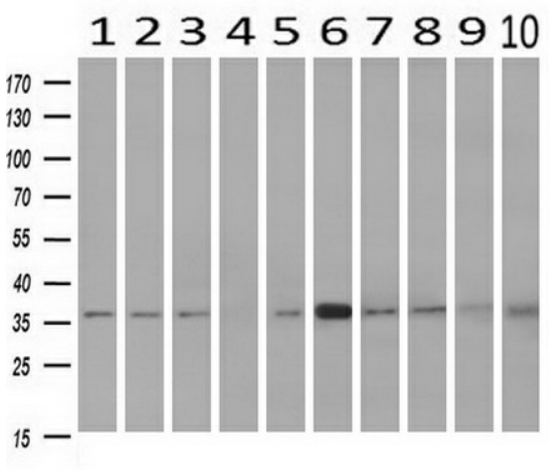
View online »

Synonyms: MGC57670

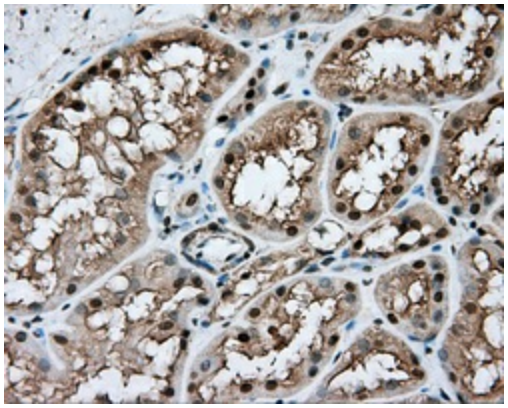
Product images:



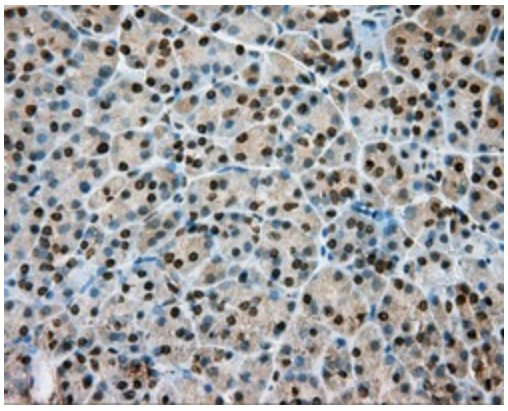
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NIT1 (Cat# [RC211519], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NIT1(Cat# [TA501084]). Positive lysates [LY401717] (100ug) and [LC401717] (20ug) can be purchased separately from OriGene.



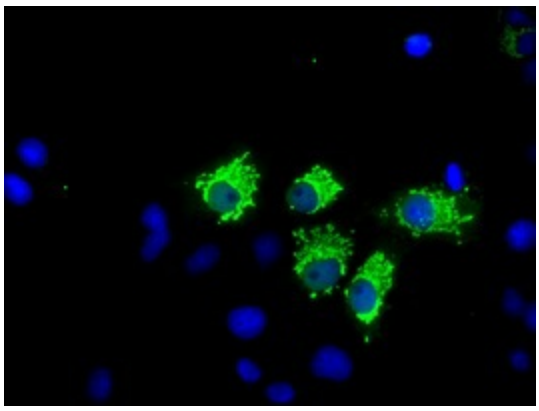
Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-NIT1 monoclonal antibody at 1:500 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).



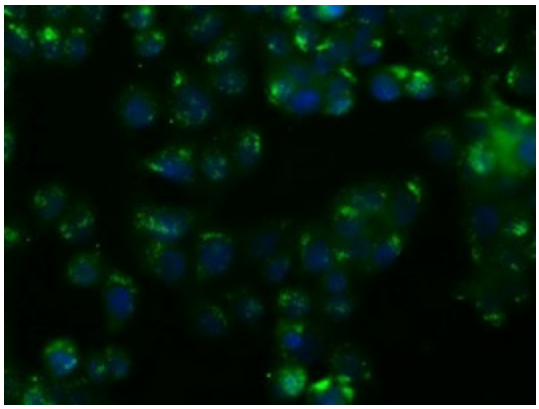
Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-NIT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501084], Dilution 1:50)



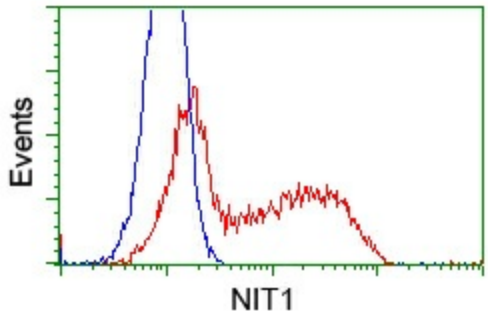
Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-NIT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501084], Dilution 1:50)



Anti-NIT1 mouse monoclonal antibody ([TA501084]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NIT1 ([RC211519]).



Immunofluorescent staining of HT29 cells using anti-NIT1 mouse monoclonal antibody ([TA501084]).



HEK293T cells transfected with either pCMV6-ENTRY NIT1 ([RC211519]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-NIT1 mouse monoclonal ([TA501084]), and then analyzed by flow cytometry.