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Product datasheet for TA801727

Neuraminidase (NEU1) Mouse Monoclonal Antibody [Clone ID: OTI3D4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3D4
Applications:	IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 48-315 of human NEU1 (NP_000425)produced in E.coli.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	40.2 kDa
Gene Name:	neuraminidase 1 (lysosomal sialidase)
Database Link:	NP_000425 Entrez Gene 4758 Human
Background:	The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referred to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. [provided by RefSeq, Jul 2008]
Synonyms:	NANH; NEU; SIAL1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome, Other glycan degradation, Sphingolipid metabolism

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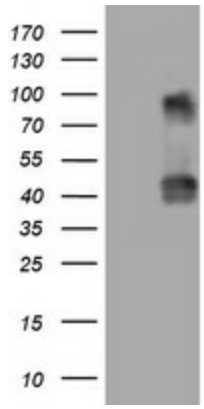
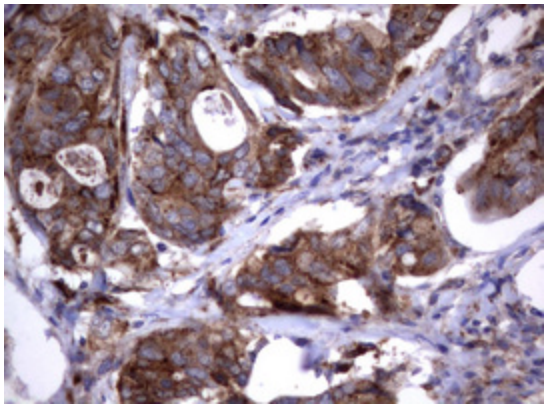
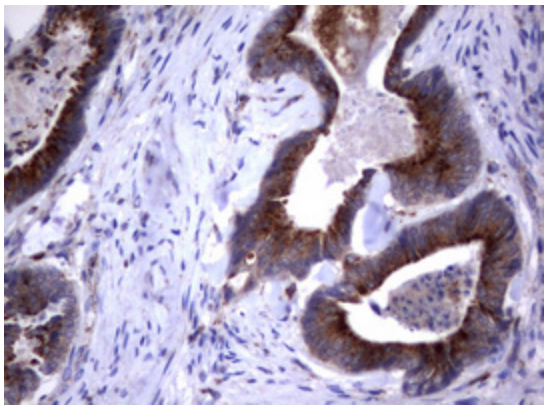
Product images:



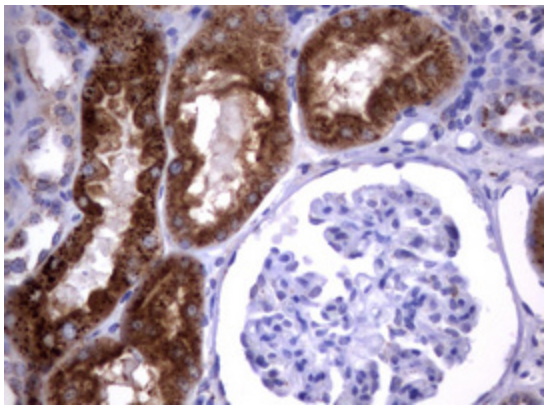
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NEU1 ([RC200386], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NEU1. Positive lysates [LY424720] (100ug) and [LC424720] (20ug) can be purchased separately from OriGene.



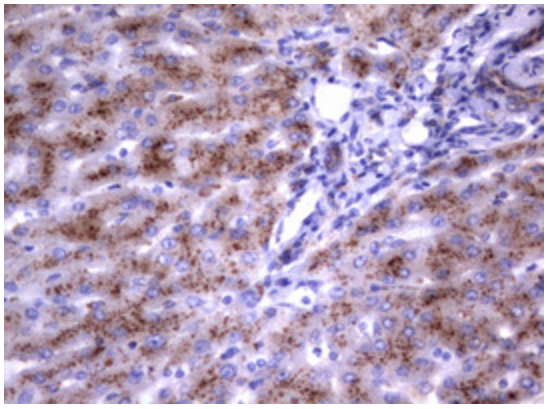
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)



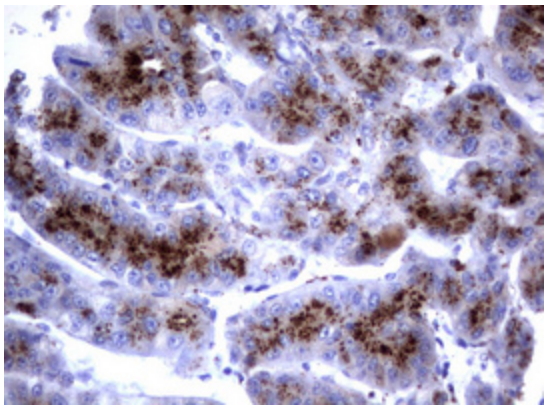
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)



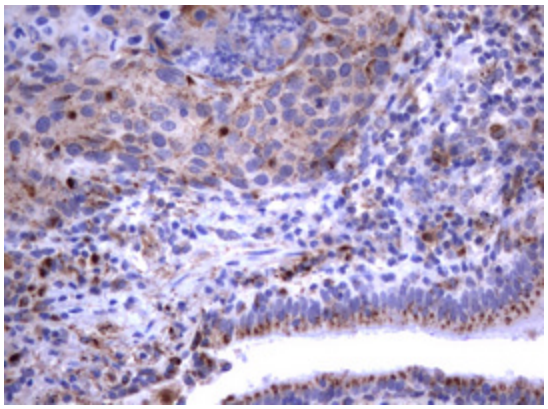
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)



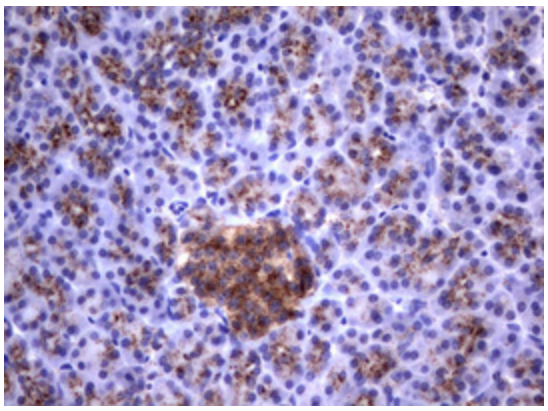
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)



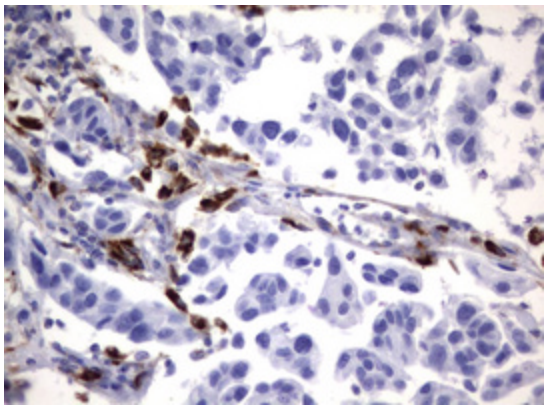
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-NEU1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801727)