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Datasheet for ABIN7165837
anti-NTAN1 antibody (AA 219-310)

2 Images

Overview

Quantity:	100 µg
Target:	NTAN1
Binding Specificity:	AA 219-310
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NTAN1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Protein N-terminal asparagine amidohydrolase protein (219-310AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NTAN1
Alternative Name:	NTAN1 (NTAN1 Products)
Background:	Background: Side-chain deamidation of N-terminal asparagine residues to aspartate. Required for the ubiquitin-dependent turnover of intracellular proteins that initiate with Met-Asn. These

Target Details

proteins are acetylated on the retained initiator methionine and can subsequently be modified by the removal of N-acetyl methionine by acylaminoacid hydrolase (AAH). Conversion of the resulting N-terminal asparagine to aspartate by PNAD renders the protein susceptible to arginylation, polyubiquitination and degradation as specified by the N-end rule. This enzyme does not act on substrates with internal or C-terminal asparagines and does not act on glutamine residues in any position, nor on acetylated N-terminal peptidyl Asn.

Aliases: NTAN1 antibody, Protein N-terminal asparagine amidohydrolase antibody, EC 3.5.1.121 antibody, Protein NH2-terminal asparagine amidohydrolase antibody, PNAA antibody, Protein NH2-terminal asparagine deamidase antibody, PNAD antibody, Protein N-terminal Asn amidase antibody, Protein N-terminal asparagine amidase antibody, Protein NTN-amidase antibody

UniProt: [Q96AB6](#)

Application Details

Application Notes: Recommended dilution: IHC:1:500-1:1000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

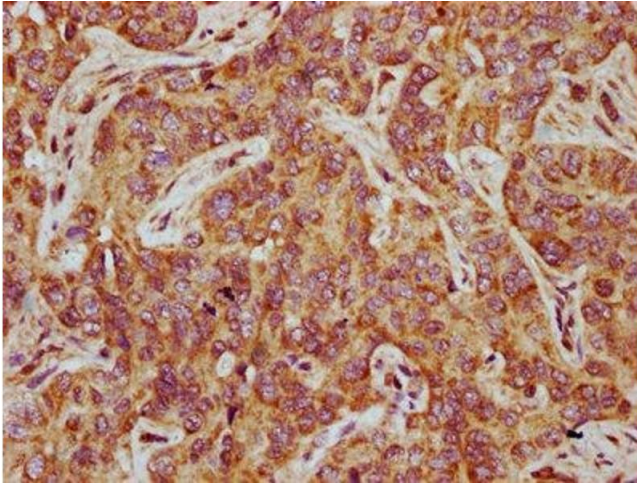
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

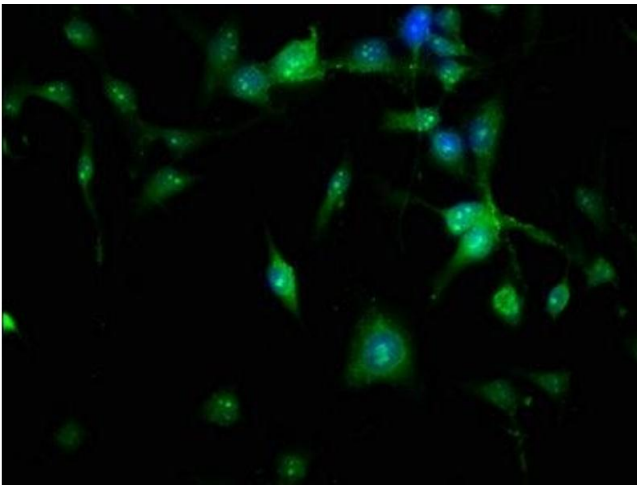
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7165837 diluted at 1:500 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of U251 cells with ABIN7165837 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).