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anti-Nitrilase 1 antibody (AA 1-243)

Images



Overview

Quantity:	100 μg
Target:	Nitrilase 1 (NIT1)
Binding Specificity:	AA 1-243
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nitrilase 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Deaminated glutathione amidase protein (1-243AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	Nitrilase 1 (NIT1)
Alternative Name:	NIT1 (NIT1 Products)
Background:	Background: Catalyzes the hydrolysis of the amide bond in N-(4-oxoglutarate)-L-
	cysteinylglycine (deaminated glutathione), a metabolite repair reaction to dispose of the

Target Details

harmful deaminated glutathione. Plays a role in cell growth and apoptosis: loss of expression promotes cell growth, resistance to DNA damage stress and increased incidence to NMBA-induced tumors. 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.

Aliases: MGC57670 antibody, NIT1 antibody, NIT1_HUMAN antibody, Nitrilase 1 antibody, Nitrilase homolog 1 antibody

UniProt:

Q86X76

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:1000-1:2000, IF:1:200-1:500,
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Buffer: Preservative: 0.03 % Proclin 300

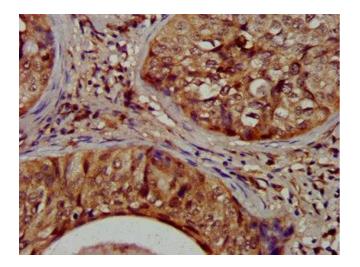
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

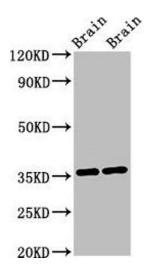
Preservative: ProClin

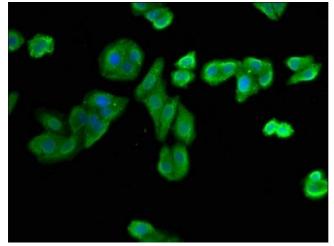
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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 ABIN7149534 diluted at 1:1200 and staining in paraffin-embedded human cervical cancer performed on a Leica BondTM 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.

Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse brain tissue, Rat brain tissue All lanes: NIT1 antibody at 3 μg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 36, 32, 41, 35, 27 kDa Observed band size: 36 kDa

Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7149534 at 1:400, 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-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).