

Rabbit anti-Human NIT1 Polyclonal Antibody | anti-NIT1 antibody

NIT1 Antibody

CATALOG # AAA229675	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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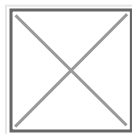
PRODUCT SYNONYMS

NIT1; Polyclonal Antibody; NIT1 Antibody; Nitrilase homolog 1; anti-NIT1 antibody

PRODUCT SPECIFICATIONS

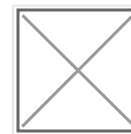
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	243
Applicable Applications for anti-NIT1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Nitrilase homolog 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-160079
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemisry)

Immunofluorescence staining of HepG2 cells with AAA229675 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 degree C.The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohiostchemistry)

IHC image of AAA229675 diluted at 1:1200 and staining in paraffin-embedded human cervical 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Mouse brain tissue, Rat brain tissueAll lanes: NIT1 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 36,32,41,35,27 KDaObserved band size: 36 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-NIT1 antibody

Plays 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297632346
NCBI GeneID	4817
NCBI Accession #	NP_001172021.1
NCBI GenBank Nucleotide #	NM_001185092.1
UniProt Accession #	Q86X76; O76091; B1AQP3; D3DVF4
Molecular Weight	26,326 Da
NCBI Official Full Name	nitrilase homolog 1 isoform 2
NCBI Official Synonym Full Names	nitrilase 1
NCBI Official Symbol	NIT1
NCBI Protein Information	nitrilase homolog 1
UniProt Protein Name	Nitrilase homolog 1
UniProt Gene Name	NIT1
UniProt Entry Name	NIT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nit1-antibody-immunohistochemistry-elisa/229675>