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Rabbit Anti-NIT1 antibody

SL6077R

Product Name:	NIT1
Chinese Name:	腈水解酶1抗体
Alias:	NIT1; NIT1_HUMAN; Nitrilase 1; Nitrilase homolog 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NBL1:111-210/327
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. **Function:**

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 (By similarity).

Subcellular Location:
Cytoplasm. Mitochondrion.

Tissue Specificity:
Detected in heart, brain, placenta, liver, skeletal muscle, kidney and pancreas.

Similarity:
Belongs to the UPF0012 family.
Contains 1 CN hydrolase domain.

SWISS:
Q86X76

Gene ID:
4817

Database links:

Entrez Gene: 4817Human

Entrez Gene: 27045Mouse

Entrez Gene: 289222Rat

Omim: 604618Human

SwissProt: Q86X76Human

SwissProt: Q8VDK1Mouse

SwissProt: Q7TQ94Rat

Unigene: 146406Human

Unigene: 12915Mouse

Unigene: 270139Mouse

Unigene: 440362Mouse

Unigene: 64425Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.