

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

NIT1 Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA306900</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

NIT1; Polyclonal Antibody; NIT1 Antibody; MGC57670; nitrilase 1; Nitrilase homolog 1; anti-NIT1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                       |
| Reactivity                                     | Human                                                                                        |
| Clonality                                      | Polyclonal                                                                                   |
| Specificity                                    | The antibody detects endogenous levels of total NIT1 protein.                                |
| Purity/Purification                            | Antigen affinity purification.                                                               |
| Form/Format                                    | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                              |
| Concentration                                  | 2.2 mg/ml (varies by lot)                                                                    |
| Sequence Length                                | 243                                                                                          |
| Applicable Applications for anti-NIT1 antibody | IHC (Immunohistochemistry)                                                                   |
| Immunogen Type                                 | Recombinant Protein                                                                          |
| Immunogen Description                          | Fusion protein corresponding to a region derived from internal residues of human nitrilase 1 |
| Target Name                                    | NIT1                                                                                         |
| Preparation and Storage                        | Store at -20 degree C                                                                        |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue using at dilution 1/50.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/50.



#### Application Data

Gel: 8%SDS-PAGE Lysates (from left to right): Human placenta and fetal liver tissue Amount of lysate: 40ug per lane Primary antibody: 1/250 dilution Secondary antibody dilution: 1/8000 Exposure time: 2 minute

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NIT1 antibody | This gene encodes a member of the nitrilase protein family with homology to bacterial and plant nitrilases, enzymes that cleave nitriles and organic amides to the corresponding carboxylic acids plus ammonia. Multiple transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-NIT1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                        |

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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