

## Rabbit PHYH Polyclonal Antibody | anti-PHYH antibody

PHYH Polyclonal Antibody

|                               |                       |                                        |                                                    |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA168684</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|

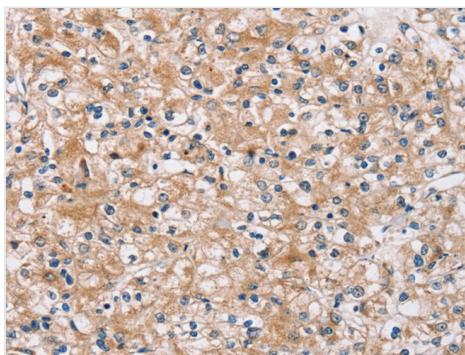
### PRODUCT SYNONYMS

PHYH; Polyclonal Antibody; PHYH Polyclonal Antibody; RD; LN1; PAHX; LNAP1; PHYH1; anti-PHYH antibody

### PRODUCT SPECIFICATIONS

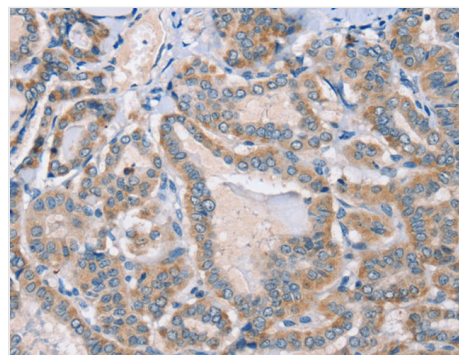
|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                         |
| Clonality                                      | Polyclonal                                                                                |
| Isotype                                        | IgG                                                                                       |
| Purity/Purification                            | Antigen affinity purification                                                             |
| Concentration                                  | 1.8mg/mL (varies by lot)                                                                  |
| Sequence Length                                | 338                                                                                       |
| Applicable Applications for anti-PHYH antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Immunogen                                      | Recombinant protein of human PHYH                                                         |
| Buffer                                         | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                        | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using PHYH Polyclonal Antibody at dilution 1:30



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PHYH Polyclonal Antibody at dilution 1:30

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PHYH antibody | This gene is a member of the PhyH family and encodes a peroxisomal protein that is involved in the alpha-oxidation of 3-methyl branched fatty acids. Specifically, this protein converts phytanoyl-CoA to 2-hydroxyphytanoyl-CoA. Mutations in this gene have been associated with Refsum disease (RD) and deficient protein activity has been associated with Zellweger syndrome and rhizomelic chondrodysplasia punctata. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 49457063                                                                                                                                                                  |
| NCBI GeneID                      | 5264                                                                                                                                                                      |
| Molecular Weight                 | 27,291 Da                                                                                                                                                                 |
| NCBI Official Full Name          | PHYH, partial                                                                                                                                                             |
| NCBI Official Synonym Full Names | phytanoyl-CoA 2-hydroxylase                                                                                                                                               |
| NCBI Official Symbol             | PHYH                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | RD; LN1; PAHX; LNAP1; PHYH1                                                                                                                                               |
| NCBI Protein Information         | phytanoyl-CoA dioxygenase, peroxisomal; phytanic acid oxidase; phytanoil-CoA alpha hydroxylase; phytanoyl-CoA 2 oxoglutarate dioxygenase; phytanoyl-CoA alpha-hydroxylase |
| UniProt Protein Name             | Phytanoyl-CoA dioxygenase, peroxisomal                                                                                                                                    |
| UniProt Gene Name                | PHYH                                                                                                                                                                      |
| UniProt Synonym Gene Names       | PAHX; PhyH                                                                                                                                                                |
| UniProt Entry Name               | PAHX_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.