

## Rabbit GNA14 Polyclonal Antibody | anti-GNA14 antibody

GNA14 Antibody (N-term)

|                               |                       |                                                                  |                                                                  |
|-------------------------------|-----------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA287011</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human (Predicted Reactivity: Bovine, Mouse)</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|------------------------------------------------------------------|------------------------------------------------------------------|

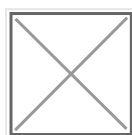
### PRODUCT SYNONYMS

GNA14; Polyclonal Antibody; GNA14 Antibody (N-term); Guanine nucleotide-binding protein subunit alpha-14; G alpha-14; G-protein subunit alpha-14; anti-GNA14 antibody

### PRODUCT SPECIFICATIONS

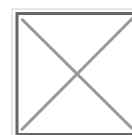
|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human (Predicted Reactivity: Bovine, Mouse)                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This GNA14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-33 amino acids from the N-terminal region of human GNA14.          |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 4-33                                                                                                                                                                         |
| Sequence Length                                 | 355                                                                                                                                                                          |
| Applicable Applications for anti-GNA14 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | HUMAN                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### IHC (Immunohistochemistry)

GNA14 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GNA14 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



#### WB (Western Blot)

GNA14 Antibody (N-term) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the GNA14 antibody detected the GNA14 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GNA14 antibody | This gene encodes a member of the guanine nucleotide-binding, or G protein family. G proteins are heterotrimers consisting of alpha, beta and gamma subunits. The encoded protein is a member of the alpha family of G proteins, more specifically the alpha q subfamily of G proteins. The encoded protein may play a role in pertussis-toxin resistant activation of phospholipase C-beta and its downstream effectors. |
| Product Categories/Family for anti-GNA14 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                          | Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)<br>Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :<br>Lee, M.M., et al. J. Leukoc. Biol. 86(6):1319-1329(2009)<br>Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)<br>Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008)                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 4758444                                                  |
| NCBI GeneID                      | 9630                                                     |
| NCBI Accession #                 | NP_004288.1                                              |
| NCBI GenBank Nucleotide #        | NM_004297.3                                              |
| UniProt Accession #              | O95837; B1ALW3                                           |
| Molecular Weight                 | 41571                                                    |
| NCBI Official Full Name          | guanine nucleotide-binding protein subunit alpha-14      |
| NCBI Official Synonym Full Names | guanine nucleotide binding protein (G protein), alpha 14 |
| NCBI Official Symbol             | GNA14                                                    |
| NCBI Protein Information         | guanine nucleotide-binding protein subunit alpha-14      |
| UniProt Protein Name             | Guanine nucleotide-binding protein subunit alpha-14      |
| UniProt Gene Name                | GNA14                                                    |
| UniProt Synonym Gene Names       | G alpha-14; G-protein subunit alpha-14                   |
| UniProt Entry Name               | GNA14_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.