

## Rabbit NIP1 Polyclonal Antibody | anti-NECAB3 antibody

Anti-NIP1 Antibody

| CATALOG # | HOST   | REACTIVITY                | APPLICATIONS                                                                                     |
|-----------|--------|---------------------------|--------------------------------------------------------------------------------------------------|
| AAA104631 | Rabbit | Human, Mouse, Rat, Bovine | Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

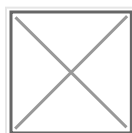
### PRODUCT SYNONYMS

NIP1; Polyclonal Antibody; Anti-NIP1 Antibody; APBA2BP; SYTIP2; XB51; N-terminal EF-hand calcium-binding protein 3; Amyloid beta A4 protein-binding family A member 2-binding protein; Nek2-interacting protein 1; Neuronal calcium-binding protein 3; X11L-binding protein 51; anti-NECAB3 antibody

### PRODUCT SPECIFICATIONS

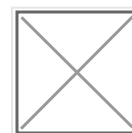
|                                                  |                                                                                                                                     |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                              |
| Reactivity                                       | Human, Mouse, Rat, Bovine                                                                                                           |
| Clonality                                        | Polyclonal                                                                                                                          |
| Specificity                                      | Recognizes endogenous levels of NIP1 protein.                                                                                       |
| Purity/Purification                              | The antibody was purified by immunogen affinity chromatography.                                                                     |
| Form/Format                                      | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                           |
| Sequence Length                                  | 362                                                                                                                                 |
| Applicable Applications for anti-NECAB3 antibody | IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)         |
| Immunogen                                        | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NIP1. The exact sequence is proprietary. |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                      |

### IMAGES



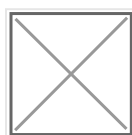
#### IF (Immunofluorescence)

Immunofluorescent analysis of NIP1 staining in COLO205 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of NIP1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of NIP1 expression in Ramos (A), COLO205 (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                      |                                    |
|------------------------------------------------------|------------------------------------|
| Related Product Information for anti-NECAB3 antibody | Rabbit polyclonal antibody to NIP1 |
|------------------------------------------------------|------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 149158725                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI GeneID                      | 63941                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Accession #                 | NP_112508.3                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_031231.3                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt Accession #              | Q96P71; Q5JWF5; Q5JWF6; Q5JWF7; Q86VV1; Q9H433; Q9H8G8; Q9HBW7; Q9HCQ9; A8K780; E1P5N2                                                                                                                                                                                                                                                                                                                                                              |
| Molecular Weight                 | 22,251 Da                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI Official Full Name          | N-terminal EF-hand calcium-binding protein 3 isoform 1                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | N-terminal EF-hand calcium binding protein 3                                                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI Official Symbol             | NECAB3                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | NIP1; XB51; STIP3; EFCBP3; SYTIP2; APBA2BP; dJ63M2.4; dJ63M2.5                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Protein Information         | N-terminal EF-hand calcium-binding protein 3; X11L-binding protein 51; Nek2-interacting protein 1; EF-hand calcium binding protein 3; neuronal calcium-binding protein 3; synaptotagmin interacting protein 2; neuronal calcium-binding protein NECAB3; synaptotagmin interacting protein STIP3; amyloid beta A4 protein-binding family A member 2-binding protein; amyloid beta (A4) precursor protein-binding, family A, member 2 binding protein |
| UniProt Protein Name             | N-terminal EF-hand calcium-binding protein 3                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt Gene Name                | NECAB3                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | APBA2BP; NIP1; SYTIP2; XB51                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt Entry Name               | NECA3_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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