

## Rabbit BANP Polyclonal Antibody | anti-BANP antibody

BANP Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA39224  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

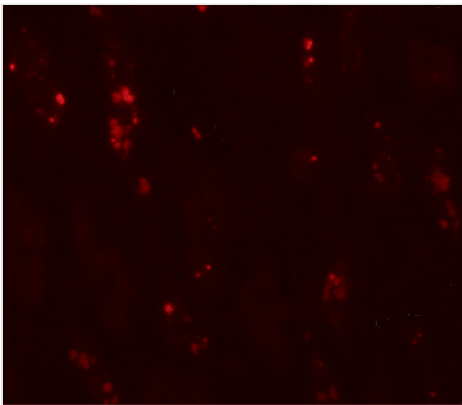
### PRODUCT SYNONYMS

BANP; Polyclonal Antibody; BANP Antibody; BEND1; SMAR1; SMARBP1; Protein BANP; BEN domain-containing protein 1; BTG3 associated nuclear protein; anti-BANP antibody

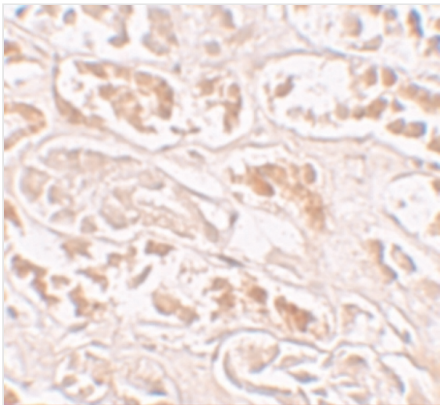
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                        | IgG                                                                                                                                                                                                                                                        |
| Purity/Purification                            | BANP Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                     |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                | 519                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-BANP antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                              |
| Conjugate                                      | Unconjugated                                                                                                                                                                                                                                               |
| Immunogen                                      | BANP antibody was raised against a 14 amino acid synthetic peptide near the center of human BANP.                                                                                                                                                          |
| Buffer                                         | BANP Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                        | BANP antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

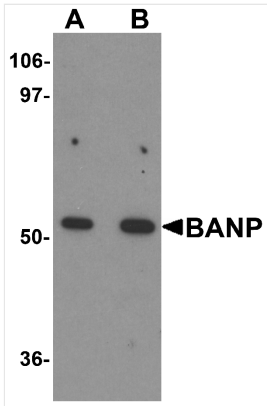
IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of BANP in human kidney tissue with BANP antibody at 20  $\mu$ g/mL.



**IHC (Immunohistochemistry)**  
Immunohistochemistry of BANP in human kidney tissue with BANP antibody at 10  $\mu$ g/mL.



**WB (Western Blot)**  
Western blot analysis of BANP in mouse kidney tissue lysate with BANP antibody at (A) 1 and (B) 2  $\mu$ g/mL.

ADDITIONAL INFORMATION

**Related Product Information for anti-BANP antibody**

BANP Antibody: BANP was initially identified as a binding protein to BTG3 in a yeast two-hybrid screen. BANP acts as a tumor suppressor by stabilizing p53 expression and leading to cell cycle arrest. p53 in turn binds to upstream elements of the BANP promoter, thereby forming a feedback loop. BANP is down-regulated in advanced stages of human breast cancer, and its overexpression in breast cancer cell lines inhibits their ability to metastasize by modulating TGF- $\beta$  signaling. Furthermore, BANP can modulate NF- $\kappa$ B transactivation and can inhibit tumorigenesis by regulating NF- $\kappa$ B target genes. Recent experiments have shown that BANP can also repress HIV-1 LTR mediated transcription by tethering the LTR matrix attachment region to nuclear matrix.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 291084803                                                      |
| NCBI GeneID                      | 54971                                                          |
| NCBI Accession #                 | NP_001167014                                                   |
| NCBI GenBank Nucleotide #        | NM_001173543.1                                                 |
| UniProt Accession #              | Q8N9N5; Q96GJ7; Q9NWX1; A8MU25; A8MX25; B2RCF7; B4DNJ9; F5GZM0 |
| Molecular Weight                 | 55,502 Da                                                      |
| NCBI Official Full Name          | protein BANP isoform g                                         |
| NCBI Official Synonym Full Names | BTG3 associated nuclear protein                                |

|                               |                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------|
| NCBI Official Symbol          | BANP                                                                                               |
| NCBI Official Synonym Symbols | BEND1; SMAR1; SMARBP1                                                                              |
| NCBI Protein Information      | protein BANP; BEN domain-containing protein 1; scaffold/matrix-associated region-1-binding protein |
| UniProt Protein Name          | Protein BANP                                                                                       |
| UniProt Gene Name             | <b>BANP</b>                                                                                        |
| UniProt Synonym Gene Names    | BEND1; SMAR1                                                                                       |
| UniProt Entry Name            | BANP_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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