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# anti-BANP antibody (Center)



Image



### Overview

Quantity:	0.1 mg
Target:	BANP
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BANP antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

# **Product Details**

Immunogen:	14 amino acid peptide near the center of human BANP
Specificity:	This antibody detects BANP / SMAR1 at Center.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

# Target Details

Target:	BANP
Alternative Name:	BANP / SMAR1 (BANP Products)
Background:	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-b signaling.

Furthermore, BANP can modulate NF-kB transactivation and can inhibit tumorigenesis by regulating NF-kB 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. Synonyms: BEN domain-containing protein 1, BEND1, Btg3-associated nuclear protein, Scaffold/matrix-associated region-1-binding protein

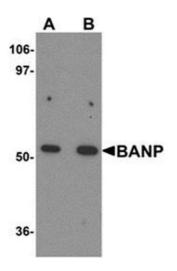
Gene ID:	54971
NCBI Accession:	NP_001167010
UniProt:	Q8N9N5

# **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

# Handling

Buffer:	Antibody is supplied in PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



# **Western Blotting**

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