

Rabbit anti-Human, Mouse SMAR1/BANP Polyclonal Antibody | anti-SMAR1/BANP antibody

Rabbit anti-SMAR1/BANP Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210857	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

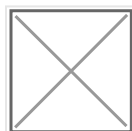
PRODUCT SYNONYMS

SMAR1/BANP; Polyclonal Antibody; Rabbit anti-SMAR1/BANP Antibody; Affinity Purified; BEND1; SMARBP1; SMAR1; scaffold/matrix-associated region-1-binding protein; Btg3-associated nuclear protein; BEN domain-containing protein 1; protein BANP; Protein BANP; BTG3 associated nuclear protein; anti-SMAR1/BANP antibody

PRODUCT SPECIFICATIONS

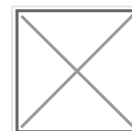
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SMAR1/BANP antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 469 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of mouse SMAR1 by western blot. Samples: Whole cell lysate (25 ug) from NIH 3T3, TCMK-1, CT26, CH27, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SMAR1 antibody (AAA210857 lot 4) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



WB (Western Blot)

Detection of human SMAR1 by western blot. Samples: Whole cell lysate (10 ug) from HEK293T, Jurkat, MDA-MB-231, RKO, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SMAR1 antibody (AAA210857 lot 4) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human SMAR1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SMAR1 antibody (AAA210857 lot 4) used for IP at 6 ug per reaction. SMAR1 was also immunoprecipitated by a previous lot of this antibody (AAA210857 lot 3). For blotting immunoprecipitated SMAR1, AAA210857 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human SMAR1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibodies: Affinity purified rabbit anti-SMAR1 (AAA210857 Lot 4) used at dilution of 1:5,000 (0.2 ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-SMAR1/BANP antibody	SMAR1/BANP was identified as a protein that binds the scaffold/matrix associated region of the T-cell receptor beta locus (SMAR1) and as a protein that interacts with BTG3, a member of structurally related proteins that regulate cell proliferation (BANP- BTG-associated nuclear protein). SMAR1/BANP is a DNA binding protein that is reported to be a tumor suppressor and transcriptional repressor. SMAR1/BANP can down-regulate cyclin D1 transcription by binding to the cyclin D1 promoter and through its interaction with HDAC1 (histone deacetylase 1). SMAR1 has also been shown to interact with p53 and modulate its activity.
Product Categories/Family for anti-SMAR1/BANP antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	17986266
NCBI GeneID	54971
NCBI Accession #	NP_060339.2
NCBI GenBank Nucleotide #	NM_017869.3
UniProt Accession #	Q8N9N5; Q96GJ7; Q9NWW1; A8MU25; A8MX25; B2RCF7; B4DNJ9; F5GZM0
Molecular Weight	55,502 Da
NCBI Official Full Name	protein BANP isoform a
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	BANP
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/smar1-banp-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/210857>