

Mouse BANF1 Monoclonal Antibody | anti-BANF1 antibody

BANF1 (Barrier to Autointegration Factor 1, BAF, BCRP1, D14S1460, MGC111161) (PE)

CATALOG # AAA26576	HOST Mouse	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

BANF1; Monoclonal Antibody; BANF1 (Barrier to Autointegration Factor 1; BAF; BCRP1; D14S1460; MGC111161) (PE); Barrier to Autointegration Factor 1; MGC111161; anti-BANF1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	M2
Specificity	Recognizes BANF1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-BANF1 antibody	IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	BANF1 (AAH05942, 1aa-89aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MTTSQKHRDFVAEPMGEKPVGSLAGIGEVLGKKLEERGFDKAYVVLGQFLVLKKDEDLFREWLKDTCGANAKQSRDCFGCLREWCD AFL
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES



WB (Western Blot)

BANF1 monoclonal antibody (M07), clone M2. Western Blot analysis of BANF1 expression in PC-12.



WB (Western Blot)

BANF1 monoclonal antibody (M07), clone M2. Western Blot analysis of BANF1 expression in Raw 264.7.

**WB (Western Blot)**

BANF1 monoclonal antibody (M07), clone M2. Western Blot analysis of BANF1 expression in Jurkat.

**Application Data**

Detection limit for recombinant GST tagged BANF1 is approximately 10ng/ml as a capture antibody.

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to BANF1 on HeLa cell. [antibody concentration 10 ug/ml]

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to BANF1 on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-BANF1 antibody	The protein encoded by this gene was first identified by its ability to protect retroviruses from intramolecular integration and therefore promote intermolecular integration into the host cell genome. The protein forms a homodimer which localizes to both the nucleus and cytoplasm and is specifically associated with chromosomes during mitosis. This protein binds to double stranded DNA in a non-specific manner and also binds to LEM-domain containing proteins of the nuclear envelope. This protein is thought to facilitate nuclear reassembly by binding with both DNA and inner nuclear membrane proteins and thereby recruit chromatin to the nuclear periphery. Alternative splicing results in multiple transcript variants encoding the same protein.
Product Categories/Family for anti-BANF1 antibody	Antibodies ; Proteins
References	1. Functional Disruption of the Moloney Murine Leukemia Virus Preintegration Complex by Vaccinia-related Kinases. Suzuki Y, Ogawa K, Koyanagi Y, Suzuki Y. J Biol Chem. 2010 Jul 30;285(31):24032-43. Epub 2010 May 28.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13543577
NCBI GeneID	8815
UniProt Accession #	O75531 ; O60558 ; Q6FGG7
Molecular Weight	10,059 Da
NCBI Official Full Name	Barrier to autointegration factor 1
NCBI Official Synonym Full Names	barrier to autointegration factor 1
NCBI Official Symbol	BANF1
NCBI Official Synonym Symbols	BAF; NGPS; BCRP1; D14S1460
NCBI Protein Information	barrier-to-autointegration factor; breakpoint cluster region protein 1
UniProt Protein Name	Barrier-to-autointegration factor
UniProt Gene Name	BANF1
UniProt Synonym Gene Names	BAF; BCRG1
UniProt Entry Name	BAF_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.

