

Rabbit anti-Human, mouse BIKE Polyclonal Antibody | anti-BMP2K antibody

BIKE Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287140	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

BIKE; Polyclonal Antibody; BIKE Antibody (Center); BMP-2-inducible protein kinase; BIKe; BMP2K; anti-BMP2K antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BIKE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 260-291 amino acids from the Central region of human BIKE.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	260-291
Sequence Length	677
Applicable Applications for anti-BMP2K antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-Bike C-term Pab is used in Western blot to detect Bike in mouse liver tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP2K antibody	BIKE is the human homolog of mouse BMP-2-inducible kinase. Bone morphogenic proteins (BMPs) play a key role in skeletal development and patterning. Expression of the mouse gene is increased during BMP-2 induced differentiation and the gene product is a putative serine/threonine protein kinase containing a nuclear localization signal. Therefore, the protein encoded by this human homolog is thought to be a protein kinase with a putative regulatory role in attenuating the program of osteoblast differentiation.
Product Categories/Family for anti-BMP2K antibody	Signal Transduction
References	Kearns, A.E., et al., J. Biol. Chem. 276(45):42213-42218 (2001). Hoffmann, A., et al., Crit. Rev. Eukaryot. Gene Expr. 11 (1-3), 23-45 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	38787904
NCBI GeneID	55589
NCBI Accession #	NP_060063.2; NP_942595.1
NCBI GenBank Nucleotide #	NM_017593.3
UniProt Accession #	Q9NSY1; O94791; Q4W5H2; Q8IYF2; Q8N2G7; Q8NHG9; Q9NTG8
Molecular Weight	129172
NCBI Official Full Name	BMP-2-inducible protein kinase isoform b
NCBI Official Synonym Full Names	BMP2 inducible kinase
NCBI Official Symbol	BMP2K
NCBI Official Synonym Symbols	BIKE; HRIHFB2017
NCBI Protein Information	BMP-2-inducible protein kinase
UniProt Protein Name	BMP-2-inducible protein kinase
UniProt Gene Name	BMP2K
UniProt Synonym Gene Names	BIKE; BIKe
UniProt Entry Name	BMP2K_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.