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# BIKE Antibody (Center) Blocking Peptide
**Synthetic peptide**
**Catalog # BP1723a**

## Specification

### BIKE Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9NSY1

### BIKE Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 55589

**Other Names**
BMP-2-inducible protein kinase, BIKe, BMP2K, BIKE

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/product/products/AP1723a>AP1723a</a> was selected from the Center region of human BIKE . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### BIKE Antibody (Center) Blocking Peptide - Protein Information

**Name** BMP2K

**Synonyms** BIKE

**Function**
May be involved in osteoblast differentiation.

**Cellular Location**
Nucleus.

### BIKE Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

**BIKE Antibody (Center) Blocking Peptide - Images**

**BIKE Antibody (Center) Blocking Peptide - Background**

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.

**BIKE Antibody (Center) Blocking Peptide - 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).