



Datasheet for ABIN2775440  
**anti-BMP2K antibody (C-Term)**



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3 Images

Overview

Quantity:	100 µL
Target:	BMP2K
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP2K antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human BMP2K
Sequence:	AQHQPQQQA SPEYLTSPQE FSPALVSYTS SLPAQVGTIM DSSYSANRSV
Predicted Reactivity:	Cow: 93%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Pig: 92%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against BMP2K. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	BMP2K
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## Target Details

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Alternative Name: [BMP2K \(BMP2K Products\)](#)

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Background: BMP2K is the human homolog of mouse BMP-2-inducible kinase. Bone morphogenic proteins (BMPs) play a key role in skeletal development and patterning. BMP2K is thought to be a protein kinase with a putative regulatory role in attenuating the program of osteoblast differentiation. This gene 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. Two transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: BIKE, DKFZp434K0614, DKFZp434P0116, HRIHFB2017

Protein Interaction Partner: FN1, EPS15, AP2M1, ABL1, TERF2, TERF1, KDM5B, MBP,

Protein Size: 662

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Molecular Weight: 74 kDa

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Gene ID: 55589

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NCBI Accession: [NM\\_017593](#), [NP\\_060063](#)

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UniProt: [Q4W5H2](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 662 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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## Handling

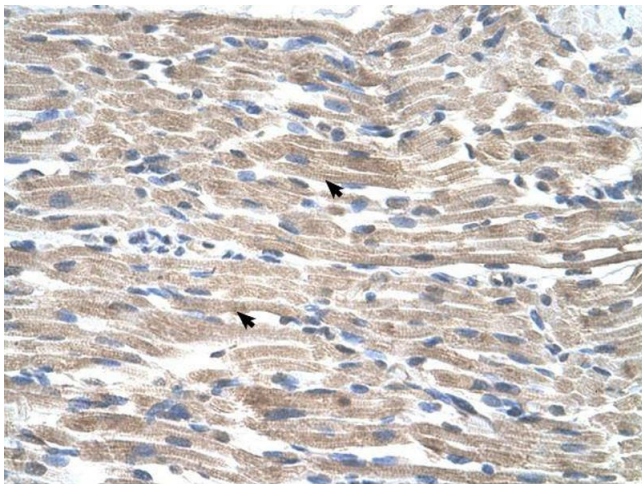
should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

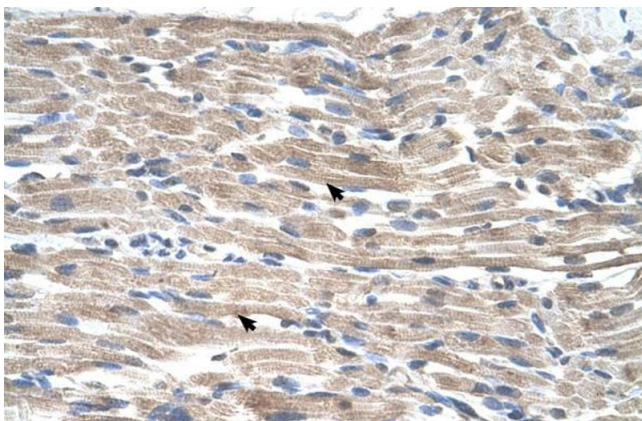
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Immunohistochemistry

**Image 1.**



### Immunohistochemistry

**Image 2.** Human Muscle



### Western Blotting

**Image 3.** WB Suggested Anti-BMP2K Antibody Titration:  
5.0ug/ml Positive Control: HepG2 cell lysate