

## Product datasheet for **TA344135**

### **BMP2K Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-BMP2K antibody: synthetic peptide directed towards the middle region of human BMP2K. Synthetic peptide located within the following region: VKVLAPGEGFNHRPKGALRPGNGPEILLGQPPQPPQHRVLQQLQQGD
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	74 kDa
Gene Name:	BMP2 inducible kinase
Database Link:	<a href="#">NP_060063</a> <a href="#">Entrez Gene 55589 Human</a> <a href="#">Q9NSY1</a>



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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.

**Synonyms:**

BIKE; HRIHFB2017

**Note:**

Immunogen Sequence Homology: Pig: 100%; Human: 100%; Mouse: 100%; Yeast: 100%; Guinea pig: 100%; Dog: 93%; Bovine: 93%; Rat: 92%; Horse: 83%; Zebrafish: 82%

**Protein Families:**

Druggable Genome, Protein Kinase

**Product images:**

WB Suggested Anti-BMP2K Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: Jurkat cell lysate; BMP2K is supported by BioGPS gene expression data to be expressed in Jurkat