

# SCUBE3 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15350

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8IX30</a>
<b>Other Accession</b>	<a href="#">NM_152753</a> , <a href="#">BAC03798</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	109282

## Additional Information

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<b>Gene ID</b>	222663
<b>Alias Symbol</b> <b>Other Names</b>	CEGF3, DKFZp686B09105, DKFZp686B1223, DKFZp686D20108, FLJ34743 Signal peptide, CUB and EGF-like domain-containing protein 3, SCUBE3 ( <a href="#">HGNC:13655</a> )
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-SCUBE3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	SCUBE3 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SCUBE3 ( <a href="#">HGNC:13655</a> )
<b>Function</b>	Is a positive regulator of the BMP signaling pathway, required for proper chondrogenesis, osteogenesis and skeletal development. It acts as a coreceptor for BMP ligands, particularly BMP2 and BMP4, facilitating their interactions with BMP type I receptors (PubMed: <a href="#">33308444</a> ). It is required for ligand-induced recruitment of BMP receptors to lipid rafts (By similarity). Binds to TGFBR2 and activates TGFB signaling. In lung cancer cells, could serve as an endogenous autocrine and paracrine ligand of TGFBR2, which could regulate TGFBR2 signaling and hence modulate epithelial-mesenchymal transition and cancer progression.

<b>Cellular Location</b>	Secreted. Cell surface
<b>Tissue Location</b>	Highly expressed in osteoblasts. In normal lung, mainly expressed in bronchial epithelial cells. Tends to be up- regulated in lung cancer cells.

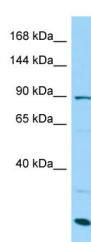
## References

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Wu B.-T.,et al.J. Biol. Chem. 279:37485-37490(2004).  
Pfarr N.,et al.Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mungall A.J.,et al.Nature 425:805-811(2003).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

## Images

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WB Suggested Anti-SCUBE3 Antibody Titration: 1.0 µg/ml  
Positive Control: MCF7 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.