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SCUBE3 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15350

Specification

SCUBE3 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q8IX30
Other Accession	NM_152753, BAC03798
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**96kDa KDa**

SCUBE3 Antibody - N-terminal region - Additional Information

Gene ID 222663

Alias Symbol	**CEGF3, DKFZp686B09105, DKFZp686B1223, DKFZp686D20108, FLJ34743**

Other Names
Signal peptide, CUB and EGF-like domain-containing protein 3, SCUBE3 (HGNC:13655)

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

Reconstitution & Storage
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.

Precautions
SCUBE3 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SCUBE3 Antibody - N-terminal region - Protein Information

Name SCUBE3 (HGNC:13655)

Function
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="http://www.uniprot.org/citations/33308444" target="_blank">33308444). 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.

Cellular Location
Secreted. Cell surface

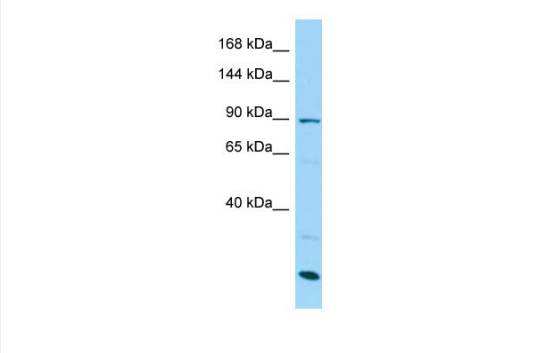
Tissue Location
Highly expressed in osteoblasts. In normal lung, mainly expressed in bronchial epithelial cells. Tends to be up- regulated in lung cancer cells.

SCUBE3 Antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SCUBE3 Antibody - N-terminal region - Images



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

SCUBE3 Antibody - N-terminal region - References

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).
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