



## Rabbit Anti-SCUBE3 antibody

SL12317R

<b>Product Name:</b>	SCUBE3
<b>Chinese Name:</b>	新型分泌细胞表面蛋白/成骨细胞相关蛋白SCUBE3抗体
<b>Alias:</b>	CEGF3; CUB and EGF containing protein 3; CUB and EGF-like domain-containing protein 3; CUB domain and EGF like repeat containing 3; DKFZp686B09105; DKFZp686B1223; DKFZp686D20108; FLJ34743; OTTHUMP00000016250; SCUB3_HUMAN; SCUBE 3; SCUBE3; Signal peptide; Signal peptide CUB and EGF like domain containing protein 3; Signal peptide CUB domain EGF like 3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	107kDa
<b>Cellular localization:</b>	The cell membraneExtracellular matrixSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from Human SCUBE3:451-550/993
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	SCUBE3 is a novel secreted 993 amino acid cell-surface osteoblast protein that plays an important role in bone cell biology. While highly expressed in osteoblasts, SCUBE3 expression is unobservable or very low in non-bone tissues. SCUBE3 forms homo-

oligomers and hetero-oligomers with SCUBE1, and may undergo C-terminal proteolytic cleavage or become N-glycosylated following translation. Two SCUBE3 isoforms exist as a result of alternative splicing events. SCUBE3 contains one CUB domain and nine EGF-like domains, and is encoded by a gene which maps to human chromosome 6p21.31, a region associated with a rare form of metabolic bone disease known as Paget's disease. Chromosome 6 contains 170 million base pairs and comprises nearly 6% of the human genome.

**Function:**

Binds to TGFBR2 and activates TGFB signaling. In lungcancer 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.

**Subunit:**

Forms homooligomers and heterooligomers with SCUBE1. Interacts with TGFBR2 through the CUB domain; this interaction does not affect TGFB1-binding to TGFBR2.

**Subcellular Location:**

Secreted. Cell surface.

**Tissue Specificity:**

Highly expressed in osteoblasts. Expression is low or absent in non-bone tissues.

**Post-translational modifications:**

N-glycosylated.

May undergo proteolytic cleavage in the C-terminal region.

**Similarity:**

Contains 1 CUB domain.

Contains 9 EGF-like domains.

**SWISS:**

Q8IX30

**Gene ID:**

222663

**Database links:**

[Entrez Gene: 222663](#) Human

[Entrez Gene: 268935](#) Mouse

[Omicron: 614708](#) Human

[SwissProt: Q8IX30](#) Human

[SwissProt: Q66PY1](#)Mouse

[Unigene: 12923](#)Human

[Unigene: 258491](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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