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Product datasheet for TA320150

SCUBE3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SCUBE3 antibody was raised against a 15 amino acid synthetic peptide near the center of human SCUBE3.
Formulation:	SCUBE3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	SCUBE3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	109 kDa
Gene Name:	signal peptide, CUB domain and EGF like domain containing 3
Database Link:	NP_689966 Entrez Gene 268935 MouseEntrez Gene 222663 Human Q8IX30

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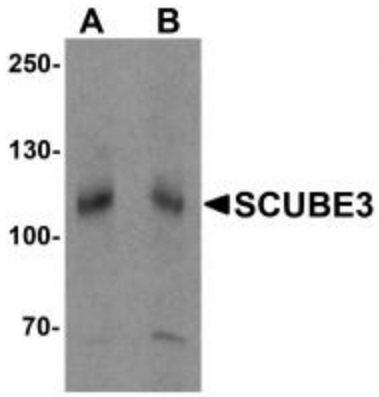
Background: SCUBE3 Antibody: SCUBE3 is a member of a family of secreted glycoproteins that contain N-terminal EGF-like repeats and C-terminal cysteine-rich motifs and CUB domain and is highly expressed in primary osteoblasts and bones, and to a lesser extent in heart. Other studies have shown that overexpression of SCUBE3 in mice induced cardiac hypertrophy, suggesting that it may also play a role in the regulation of cardiac growth.. SCUBE3 has been shown to be an endogenous TGF-β receptor ligand and is thought to promote lung cancer cell mobility and invasiveness. In lung cancer cells, the secreted SCUBE3 protein was cleaved by MMP2 and MMP9, allowing the activation of the TGF-β receptor, the increase of Smad2/3 transcriptional activity and the upregulation of expression of proteins such as TGF-β1, VEGF, Snail, and Slug.

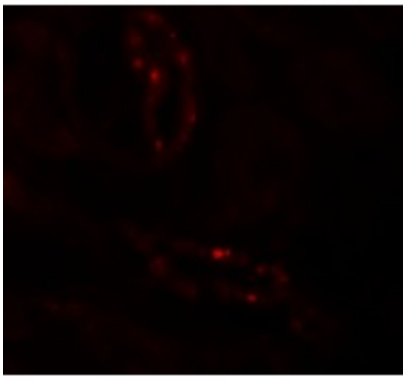
Synonyms: CEGF3

Protein Families: Druggable Genome, Secreted Protein

Product images:



Western blot analysis of SCUBE3 in mouse kidney tissue lysate with SCUBE3 antibody at (A) 1 and (B) 2 ug/mL.



Immunofluorescence of SCUBE3 in human kidney tissue with SCUBE3 antibody at 20 ug/mL.