

Rabbit anti-Human, Mouse SCUBE3 Polyclonal Antibody | anti-SCUBE3 antibody

SCUBE3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39459	Rabbit	Human, Mouse	Immunofluorescence, Western Blot, ELISA

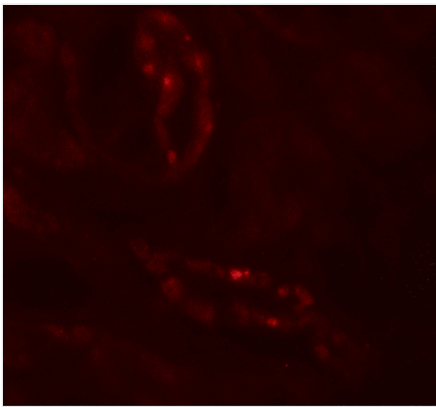
PRODUCT SYNONYMS

SCUBE3; Polyclonal Antibody; SCUBE3 Antibody; CEGF3; Signal peptide; CUB and EGF-like domain-containing protein 3; signal peptide; CUB and EGF-like domain-containing protein 3 precursor; anti-SCUBE3 antibody

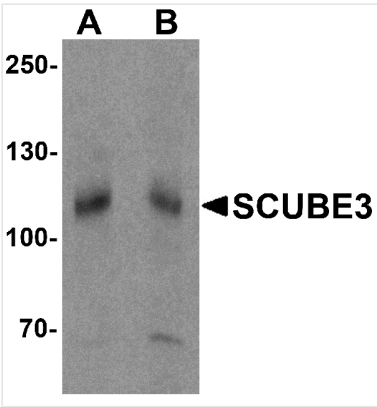
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of SCUBE3 are known to exist. SCUBE3 antibody is predicted to not cross-react with other SCUBE members
Purity/Purification	SCUBE3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	993
Applicable Applications for anti-SCUBE3 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SCUBE3 antibody was raised against a 15 amino acid synthetic peptide near the center of human SCUBE3.
Buffer	SCUBE3 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of SCUBE3 in human kidney tissue with SCUBE3 antibody at 20 μg/mL.



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

ADDITIONAL INFORMATION

Related Product Information for anti-SCUBE3 antibody	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-? 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-? receptor, the increase of Smad2/3 transcriptional activity and the upregulation of expression of proteins such as TGF-?1, VEGF, Snail, and Slug.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31377568
NCBI GeneID	222663
NCBI Accession #	NP_689966
NCBI GenBank Nucleotide #	NM_152753.3
UniProt Accession #	Q8IX30; Q5CZB3; Q86UZ9; Q8NAU9; A8K5A3
Molecular Weight	109 kDa
NCBI Official Full Name	signal peptide, CUB and EGF-like domain-containing protein 3 isoform 1
NCBI Official Synonym Full Names	signal peptide, CUB domain, EGF-like 3
NCBI Official Symbol	SCUBE3
NCBI Official Synonym Symbols	CEGF3
NCBI Protein Information	signal peptide, CUB and EGF-like domain-containing protein 3; CUB domain and EGF-like repeat containing 3; signal peptide, CUB and EGF-like domain containing protein 3; signal peptide-, CUB domain-, and EGF-like domains-containing protein 3
UniProt Protein Name	Signal peptide, CUB and EGF-like domain-containing protein 3
UniProt Gene Name	SCUBE3
UniProt Entry Name	SCUB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

