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SCUBE1 Antibody
Catalog # ASC11165

Specification

SCUBE1 Antibody - Product Information

Application	**WB, ICC, IF**
Primary Accession	Q8IWY4
Other Accession	NP_766638, 120587029
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**SCUBE1 antibody can be used for detection of SCUBE1 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 20 µg/mL. For immunofluorescence start at 20 µg/mL.**

SCUBE1 Antibody - Additional Information

Gene ID	**80274**

Target/Specificity
SCUBE1;

Reconstitution & Storage
SCUBE1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
SCUBE1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SCUBE1 Antibody - Protein Information

Name SCUBE1

Function
Could function as an adhesive molecule and its matrix bound and soluble fragments may play a critical role in vascular biology.

Cellular Location
Secreted. Cell membrane; Peripheral membrane protein

Tissue Location
Detected in endothelial cells. Highly expressed in platelets. Stored in platelet alpha granules, and transferred to the cell surface upon activation and aggregation. A smaller form, probably produced by limited proteolysis, after being released from the storage granules, is associated with thrombus

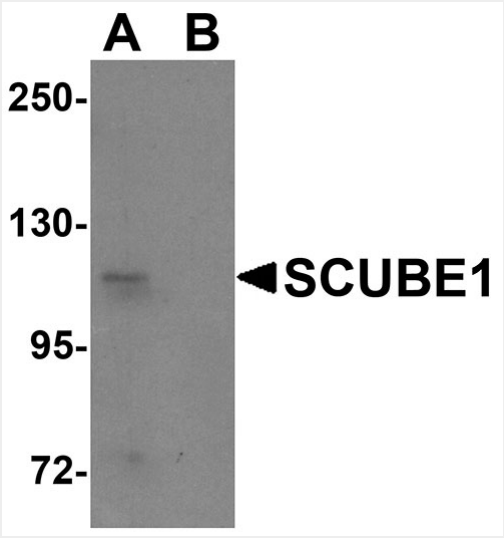
and localized with the subendothelial matrices in atherosclerotic plaques

SCUBE1 Antibody - 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

SCUBE1 Antibody - Images

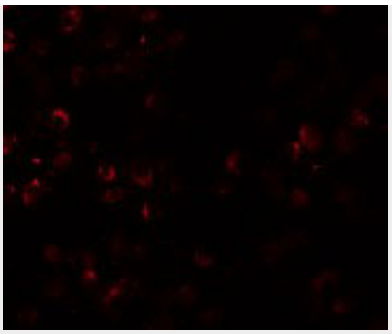


Western blot analysis of SCUBE1 in Daudi cell lysate with SCUBE1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of SCUBE1 in Daudi cells with SCUBE1 antibody at 20 µg/mL.

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Immunofluorescence of SCUBE1 in Daudi cells with SCUBE1 antibody at 20 µg/mL.

SCUBE1 Antibody - Background

SCUBE1 Antibody: SCUBE1 is an EGF-related protein with a CUB (C1s-like) domain that is expressed primarily in the developing gonad, nervous system, somites, surface ectoderm and limb buds. The N-terminal EGF-like repeats of SCUBE1 participate in the formation of adhesions in a Ca2+-dependent fashion. In contrast, the C-terminal cysteine-rich motifs and CUB domain can directly bind and antagonize bone morphogenic protein activity; genetic ablation of this region resulted in brain malformation in mice embryos, suggesting SCUBE1 plays a role in brain morphogenesis. SCUBE1 has also been implicated in early craniofacial development in mice.

SCUBE1 Antibody - References

Grimmond S, Larder R, Van Hateren N, et al. Cloning, mapping, and expression analysis of a gene encoding a novel mammalian EGF-related protein (SCUBE1). Genomics2000; 70:74-81.
Tu C, Yan Y, Wu S, et al. Domain and function analysis of a novel platelet-endothelial cell surface protein, SCUBE1. J. Biol. Chem.2008; 283:12478-88.
Xaiver GM, Sharpe PT, and Colbourne MT. Scube1 is expressed during facial development in the mouse. J. Exp. Zool. B. Mol. Dev. Evol.2009; 312B:518-24.