Datasheet for ABIN616002

anti-CCBE1 antibody (AA 35-406)

1 Image

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Overview

Quantity:	0.1 mg
Target:	CCBE1
Binding Specificity:	AA 35-406
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCBE1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Highly pure (>95%) recombinant human ccbe1 (Tyr35-Pro406) derived from Sf9 insect cells
Isotype:	IgG
Specificity:	This antibody detects CCBE1.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein-A chromatography

Target Details

Target:	CCBE1
Alternative Name:	CCBE1 (CCBE1 Products)
Background:	The lymphatic system comprises a vascular system separate from the cardiovascular system,

Target Details

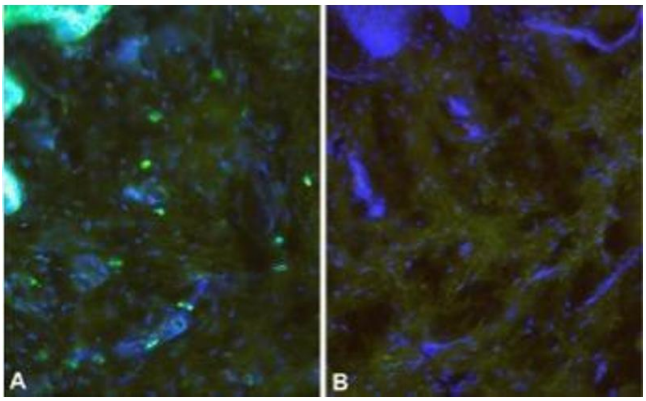
	essential for immune responses, fluid homeostasis and fat absorption. Lymphatic vessels develop in a complex process termed lymphangiogenesis that involves budding, migration and proliferation of lymphatic endothelial progenitor cells. A few genes, such as FLT4, FOXC2 and SOX18, are known to be critically involved in lymph vessel formation in humans. Lymphedema, lymphangiectasias, mental retardation and unusual facial characteristics define the autosomal recessive Hennekam syndrome. Homozygosity mapping identified a critical chromosomal region containing ccbe1, encoding Collagen and Calcium-Binding EGF-domain-1, a secreted protein which is required for embryonic lymphangiogenesis in zebrafish. ccbe1 is not expressed in endothelial cells of lymph vessels, and it may be a component of the extracellular matrix. In zebrafish, ccbe1 expression was observed along the earliest migration routes of endothelial cells that sprout from the posterior cardinal vein and migrate circuitously before developing into lymphatic vessels. ccbe1 might therefore be involved in guidance of these migrating cells.Synonyms: Collagen and calcium-binding EGF domain-containing protein 1, Full of fluid protein homolog, KIAA1983
Gene ID:	147372
NCBI Accession:	NP_597716
UniProt:	Q6UXH8

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	The lyophilized antibody is stable at room temperature for up to 1 month. Following reconstitution antibody can be stored at 2-8 °C for up to two weeks or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunofluorescence staining (green) of human foreskin (cryo-section of unfixed tissue) with anti human ccbe1 (dilution 1/50) Cat.-No AP26020PU-N. A) Note specific staining in epidermis (ep) and in scattered cells in the dermis. B) Negative control of a consecutive section. Nuclei counter-stained with Dapi (blue). Specimen provided by Prof. Dr. J. Wilting, Goettingen.