

Datasheet for ABIN1589917
anti-CCBE1 antibody (AA 159-251)



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Overview

Quantity:	100 µg
Target:	CCBE1
Binding Specificity:	AA 159-251
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCBE1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	ccbe1 antibody
Immunogen:	Highly pure (>98%) recombinant human ccbe1 (Cys159-Leu251) derived from E. coli.
Isotype:	IgG
Specificity:	Recombinant human ccbe1 (Tyr35-Pro406) derived from Sf9 insect cells
Characteristics:	Chromosomal location: 18q21.32
Purification:	Protein A purified

Target Details

Target:	CCBE1
Alternative Name:	ccbe1 (CCBE1 Products)

Target Details

Background: Collagen and calcium binding EGF domains 1, KIAA1983, The lymphatic system comprises a vascular system separate from the cardiovascular system, 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.

Gene ID: 147372

NCBI Accession: [NM_133459](#), [NP_597716](#)

UniProt: [Q6UXH8](#)

Application Details

Application Notes: Western Blot: Use 2-5 µg/mL

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS

Handling Advice: Centrifuge vial prior to opening. Avoid repeated freeze-thaw cycles.

Storage: 4 °C, -20 °C

Storage Comment: The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen

Handling

aliquots.

Expiry Date:

24 months