

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



FoxC1/2 (K138) Peptide

Cat No.: BS2300P

Background

FOXC2 is a member of forkhead/winged helix transcription factor family whose members serve as key regulators in embryogenesis and cell differentiation. FOXC2 functions as a key regulator of adipocyte metabolism by increasing the sensitivity of the β -adrenergic-cAMP-protein kinase A (PKA) signaling pathway through alteration of adipocyte PKA holoenzyme composition. Increased FOXC2 levels, induced by high fat diet, seem to counteract most of the symptoms associated with obesity. FOXC2 expression is also associated with the early stage of chondrogenic differentiation both in vivo and in vitro. FOXC2 haploinsufficiency results in Lymphedema-distichiasis (LD), an autosomal dominant disorder that classically presents as lymphedema of the limbs and double rows of eyelashes (distichiasis). Mutant mice null for FOXC2 show defects in axial and cranial skeletogenesis, suggesting a requirement of FOXC2 for skeletal tissue development.

Swiss-Prot

Q12948/Q99958

Applications

Blocking

Specificity

This peptide can be used with studies using BS2300 FoxC1/2 (K138) pAb.

Purification & Purity

Synthetic peptide FoxC1/2 (K138). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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