

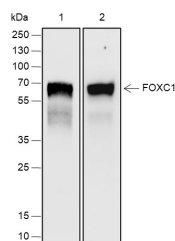
Recombinant FOXC1 Monoclonal Antibody

catalog number: AN301947L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human
Immunogen	Recombinant human FOXC1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C331568
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	
Recommended Dilution	
WB	1:1000

Data



Western Blot with FOXC1 Monoclonal Antibody at dilution of 1:1000. Lane 1: 293T, Lane 2: MDA-MB-231

Observed-MW:70 kDa

Calculated-MW:70-74 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

FoxC1, also named as FKHL7 or FREAC3, is one of two mammalian FoxC subfamily members. Along with FoxC2, it is expressed in paraxial mesoderm where it functions to promote somitogenesis, myogenesis, and vascular development, possibly under Wnt/ β -catenin regulation. Mutations in FoxC1 are implicated in anterior segment dysgenesis (ASD) disorders, including congenital glaucoma and Axenfeld-Rieger syndrome. Research studies have shown that alterations in FoxC1 expression are linked to breast cancer invasiveness and have been shown to modulate proliferation and migration of breast cancer cells in vitro.