For Research Use Only

FOXC2 Polyclonal antibody

Catalog Number:23066-1-AP Featured Product 6 Publications

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Basic Information

Catalog Number:
23066-1-AP

Size:
150ul , Concentration: 300 μg/ml by Nanodrop and 293 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG19378

GenBank Accession Number:
BC113437

GeneID (NCBI):
2303

Full Name:
forkhead box C2 (MFH-1, mesenchyme forkhead 1)

Calculated MW:
501 aa, 54 kDa

Observed MW:
56 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IF 1:50-1:500

Applications

Tested Applications:
IF, WB,ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, rat, mouse

Cited Species:
human, mouse, rat

Positive Controls:

WB : A375 cells, A431 cells, rat spleen tissue

IF : A375 cells,

Background Information

Transcriptional activator. Might be involved in the formation of special mesenchymal tissues.Defects in FOXC2 are the cause of lymphedema hereditary type 2 (LMPH2) [MIM:153200]; also known as Meige lymphedema. Hereditary lymphedema is a chronic disabling condition which results in swelling of the extremities due to altered lymphatic flow. Patients with lymphedema suffer from recurrent local infections, and physical impairment. Defects in FOXC2 are a cause of lymphedema-yellow nails (LYYN) [MIM:153300]. LYYN is characterized by yellow, dystrophic, thick and slowly growing nails, associated with lymphedema and respiratory involvement. Lymphedema occurs more often in the lower limbs. It can appear at birth or later in life. Onset generally follows the onset of ungual abnormalities. Defects in FOXC2 are a cause of lymphedema-distichiasis (LYD) [MIM:153400]. LYD is characterized by primary limb lymphedema usually starting at puberty (but in some cases later or at birth) and associated with distichiasis (double rows of eyelashes, with extra eyelashes growing from the Meibomian gland orifices).This antibody specifically recognizes the 56 kDa FOXC2 protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Fei-Xiang Lin	27904711	Am J Transl Res	WB
Mingliang Liu	31367258	Theranostics	WB
Ping Wang	25662617	Acta Biochim Biophys Sin (Shanghai)	WB

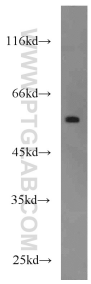
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

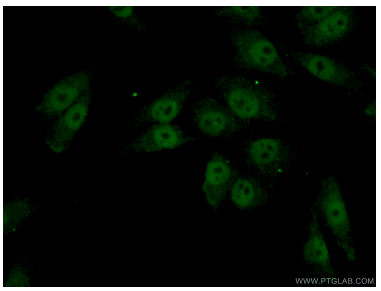
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 23066-1-AP (FOXC2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A375 cells using 23066-1-AP (FOXC2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).