

# FEM1A Polyclonal antibody

Catalog Number: 15169-1-AP

## Basic Information

<b>Catalog Number:</b> 15169-1-AP	<b>GenBank Accession Number:</b> BC004988	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 133 µg/ml	<b>GeneID (NCBI):</b> 55527	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BSK4	
<b>Isotype:</b> IgG	<b>Full Name:</b> fem-1 homolog a (C. elegans)	
<b>Immunogen Catalog Number:</b> AG7357	<b>Calculated MW:</b> 74 kDa	
	<b>Observed MW:</b> 74 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : U-937 cells, IHC : human skeletal muscle tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

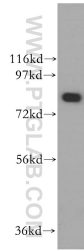
## Background Information

FEM1A, also named as Protein fem-1 homolog A-A, is a 654 amino acid protein, which belongs to the fem-1 family. FEM1A is highly expressed in adult heart and skeletal muscle. FEM1A is a probable component of an E3 ubiquitin-protein ligase complex, in which it may act as a substrate recognition subunit. FEM1A may participate in anti-inflammatory signaling via its interaction with PTGER4. Furthermore, Fem1a expression is down-regulated in rhabdomyosarcoma cells suggesting that the FEM1A gene may be involved in muscle differentiation or be at least a marker of abnormal differentiation in rhabdomyosarcoma. Knowing that a molecular weight of 76 kDa is predicted for human FEM1A, but phosphorylated FEM1A is 95-100 kDa (PMID: 19406122).

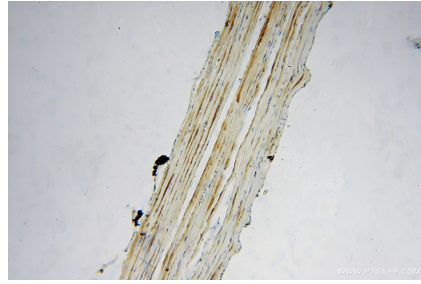
## Storage

**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

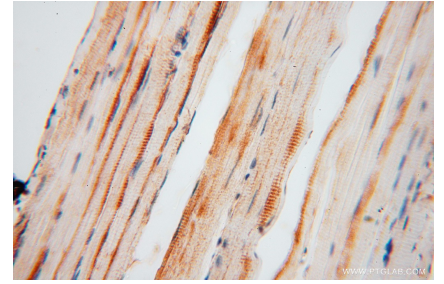
## Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 15169-1-AP (FEM1A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 15169-1-AP (FEM1A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 15169-1-AP (FEM1A antibody) at dilution of 1:50 (under 40x lens).