

Anti-Atrogin-1 Antibody

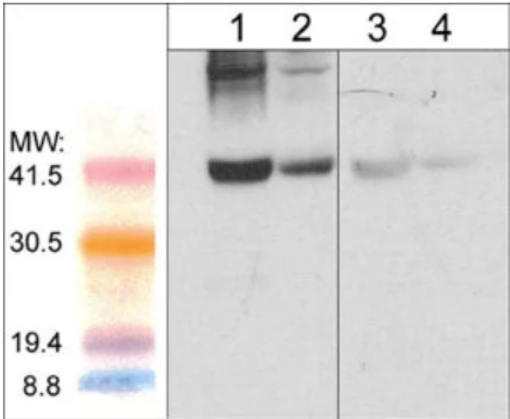


Product Details

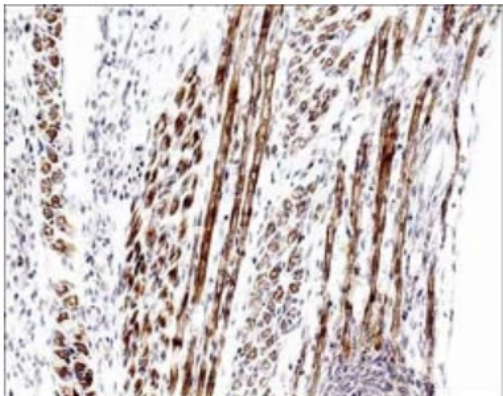
Available Variants	100 µL (SKU:AP2041)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	Fbxo32
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide (coupled to carrier protein) corresponding to amino acids from the N-terminal region of mouse Atrogin. This sequence is highly homologous to human and rat Atrogin (F-box only protein 32).
Specificity	This antibody detects a 41 kDa* protein corresponding to the apparent molecular mass of Atrogin on SDS-PAGE immunoblots of mouse muscle tissue lysates. Similar results were seen in C2C12 cell lysate and the band observed in western blot is specifically blocked by Atrogin-1 peptide (AX2045).
Molecular Weight	41
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	<u>Q9CPU7</u>
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

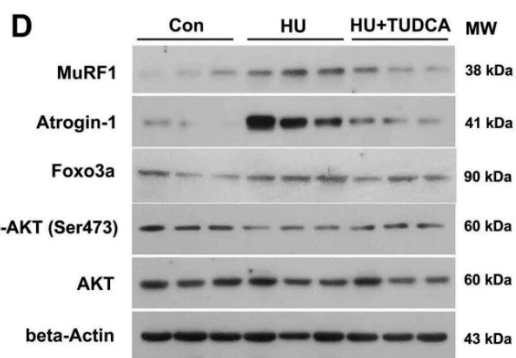
Product Images



Western blot image of mouse gastrocnemius (lanes 1 & 3) and mouse diaphragm tissue lysate (lanes 2 & 4). The blot was probed with anti-Atrogin-1 (AP2041; lanes 1-4) in the presence (lanes 3 & 4) or absence (lanes 1 & 2) of Atrogin-1 peptide (AX2045).



Formalin fixed, citric acid treated paraffin sections of E16 mouse skeletal muscle. Sections were probed with anti-Atrogin-1 (AP2041) then anti-Rabbit:HRP before detection using DAB. (Images provided by Carl Hobbs and Dr. Pat Doherty at Wolfson Centre for Age-Related Diseases, King's College London).



Western blot analysis of MuRF1 (Cat. MP3401), Atrogin-1 (Cat. AP2041), FoxO3a, p-AKT (Ser473), and total AKT in the soleus muscle of control, HU, and HU+TUDCA mice. Image from publication CC-BY-4.0. [PMID: 37525907](https://pubmed.ncbi.nlm.nih.gov/37525907/)

Product Page URL: www.antibodiesinc.com/products/anti-atrogin-1-antibody-ap2041



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