

Article

# Comparative analyses of mTOR/Akt and muscle atrophy-related signaling in aged respiratory and gastrocnemius muscles

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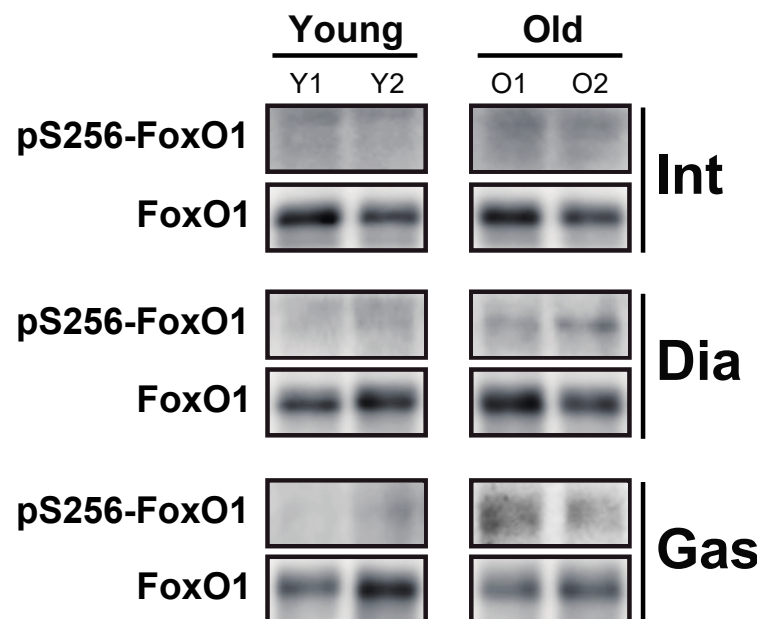
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**Supplementary Figure S1. Comparison of the phosphorylation of FoxO1 between the respiratory muscles and gastrocnemii with age.** Each muscle was lysed and analyzed by western blotting (n=6). Young : 6-month-old rat, Old : 20-month-old rat. Abbreviations: diaphragm muscle (Dia); gastrocnemius muscle (Gas); intercostal muscle (Int).

**Supplementary Table S1. Ages of Rats for Age-related studies**

Title of the study	Rat strain	Ages of Young subjects (months )	Ages of Old subjects (months )	Ref
Effect of Resistance Training on Extracellular Matrix Adaptations in Skeletal Muscle of Older Rats	Wistar rats	3	21	<sup>1</sup>
Skeletal Muscle Regeneration in Very Old Rats	Wistar rats	4	32	<sup>2</sup>
Myosin heavy chain composition in young and old rat skeletal muscle	Fischer 344 rats	3	22	<sup>3</sup>
Muscle Wasting in Aged, Sarcopenic Rats Is Associated with Enhanced Activity of the Ubiquitin Proteasome Pathway	Harlan Sprague-Dawley	4	30	<sup>4</sup>
Fiber Type Composition of Unoperated Rat Soleus and Extensor Digitorum Longus Muscles after Unilateral Isotransplantation of a Foreign Muscle in Long-Term Experiments	Rats of the Lewis strain	4	17	<sup>5</sup>
Skeletal muscle metabolism in rats with low and high intrinsic aerobic capacity	N.A.	9	18	<sup>6</sup>
Ageing prolongs inflammatory marker expression in regenerating rat skeletal muscles after injury	Fischer 344 rats	3	24	<sup>7</sup>
Age-Related Gene Expression Signature in Rats Demonstrate Early, Late, and Linear Transcriptional Changes from Multiple Tissues	Sprague Dawley	6	21-27	<sup>8</sup>
Mitochondrial and Metabolic Gene Expression in the Aged Rat Heart	Male Fischer 344 x Brown Norway hybrid rats (FBN)	6	34	<sup>9</sup>
Aging-associated dysfunction of Akt/protein kinase B: S-nitrosylation and acetaminophen intervention	F344BN rats	6	27, 33	<sup>10</sup>

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