

## Myosin Type Iii

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### Recent Publications on Myosin Type Iii:



- [Genome-wide expression analysis of peripheral blood identifies candidate biomarkers for schizophrenia.](#)  
*The aim of this study was to analyze gene expression in blood of patients...*10th November, 2009  
Department of Psychiatry, Zagreb University Hospital Centre and Zagreb- J Psychiatr Res. 2009 Sep;43(13):1073-7. Epub 2009 Apr 8. ([DOI Direct Link](#))
- [Deafness genes in Israel: implications for diagnostics in the clinic.](#)  
*The identification of the molecular basis of deafness in the last decade...*15th October, 2009  
Department of Human Molecular Genetics and Biochemistry, Sackler School of- Pediatr Res. 2009 Aug;66(2):128-34. ([DOI Direct Link](#))
- [Cloning and distribution of myosin 3B in the mouse retina: differential distribution in cone outer segments.](#)  
*Class III myosins are important for the function and survival of...*10th October, 2009  
Department of Neuroscience and Whitney Laboratory for Marine Bioscience,- Exp Eye Res. 2009 Aug;89(2):224-37. Epub 2009 Mar 28. ([DOI Direct Link](#))
- [Myosin IIIa boosts elongation of stereocilia by transporting espin 1 to the plus ends of actin filaments.](#)  
*Two proteins implicated in inherited deafness, myosin IIIa, a...*25th April, 2009  
- Nat Cell Biol. 2009 Apr;11(4):443-50. Epub 2009 Mar 15. ([DOI Direct Link](#))
- [Identification and localization of myosin superfamily members in fish retina and retinal pigmented epithelium.](#)  
*Myosins are cytoskeletal motors critical for generating the forces...*16th April, 2009  
Department of Molecular and Cell Biology, University of California,- J Comp Neurol. 2009 Mar 10;513(2):209-23. ([DOI Direct Link](#))
- [Isolation and expression of Pax6 and atonal homologues in the American horseshoe crab, Limulus polyphemus.](#)  
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- [The kinase domain alters the kinetic properties of the myosin IIIA motor.](#)  
*Myosin IIIA is unique among myosin proteins in that it contains an...*7th May, 2008  
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- [The actin-binding interface of a myosin III is phosphorylated in vivo in response to signals from a](#)

[circadian clock.](#)

*Class III unconventional myosins are critical for the normal function of...* 5th March, 2008  
Department of Chemistry, University of Florida, Gainesville, Florida- *Biochemistry*. 2007 Dec  
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- [Evaluation of ESPN, MYO3A, SLC26A5 and USH1C as candidates for hereditary non-syndromic deafness \(congenital sensorineural deafness\) in Dalmatian dogs.](#)

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Institute for Animal Breeding and Genetics, University of Veterinary- *Anim Genet*. 2007  
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- [Loop 2 of limulus myosin III is phosphorylated by protein kinase A and autophosphorylation.](#)

*Little is known about the functions of class III unconventional myosins...* 18th May, 2007  
Whitney Laboratory for Marine Bioscience and the Department of- *Biochemistry*. 2007 Apr  
10;46(14):4280-93. Epub 2007 Mar 17. ([DOI Direct Link](#))

- [Reduction of carboxylic acids by Nocardia aldehyde oxidoreductase requires a phosphopantetheinylated enzyme.](#)

*Aldehyde oxidoreductase (carboxylic acid reductase (Car)) catalyzes the...* 9th February, 2007  
Division of Medicinal and Natural Products Chemistry, College of Pharmacy,- *J Biol Chem*. 2007 Jan  
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- [Kinetic mechanism of human myosin IIIA.](#)

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- [Human myosin III is a motor having an extremely high affinity for actin.](#)

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- [Evolution of arthropod visual systems: development of the eyes and central visual pathways in the horseshoe crab \*Limulus polyphemus\* Linnaeus, 1758 \(Chelicerata, Xiphosura\).](#)

*Despite ongoing interest into the architecture, biochemistry, and...* 24th January, 2007  
Universitat Ulm, Fakultat fur Naturwissenschaften, Abteilung- *Dev Dyn*. 2006 Oct;235(10):2641-55. ([DOI Direct Link](#))

- [A new compartment at stereocilia tips defined by spatial and temporal patterns of myosin IIIa expression.](#)

*Class III myosins are motor proteins that contain an N-terminal kinase...* 25th October, 2006  
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