

Accepted Manuscript

Prion protein modulates iron transport in the anterior segment: Implications for ocular iron homeostasis and prion transmission

Ajay Ashok, Shilpita Karmakar, Rajeev Chandel, Ranjana Ravikumar, Stuti Dalal, Qingzhong Kong, Neena Singh



PII: S0014-4835(18)30152-0

DOI: [10.1016/j.exer.2018.05.031](https://doi.org/10.1016/j.exer.2018.05.031)

Reference: YEXER 7389

To appear in: *Experimental Eye Research*

Received Date: 26 February 2018

Revised Date: 17 May 2018

Accepted Date: 30 May 2018

Please cite this article as: Ashok, A., Karmakar, S., Chandel, R., Ravikumar, R., Dalal, S., Kong, Q., Singh, N., Prion protein modulates iron transport in the anterior segment: Implications for ocular iron homeostasis and prion transmission, *Experimental Eye Research* (2018), doi: 10.1016/j.exer.2018.05.031.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Prion protein modulates iron transport in the anterior segment: Implications for ocular iron homeostasis and prion transmission

Ajay Ashok, Shilpita Karmakar, Rajeev Chandel, Ranjana Ravikumar, Stuti Dalal, Qingzhong Kong, Neena Singh*

*Corresponding author
E-mail: neena.singh@case.edu

Department of Pathology, School of Medicine, Case Western Reserve University, Cleveland, Ohio 44106, USA.

Running title: Iron homeostasis in the anterior segment¹

¹ AH: aqueous humor; CB: ciliary body; PE: pigmented epithelium; NPE: non-pigmented epithelium; PrP^C: prion protein; PrP⁰: PrP-knockout; Tf: Transferrin; TfR: transferrin receptor; Fpn: ferroportin; Cp: ceruloplasmin; CWD: chronic wasting disease

Download English Version:

<https://daneshyari.com/en/article/8791893>

Download Persian Version:

<https://daneshyari.com/article/8791893>

[Daneshyari.com](https://daneshyari.com)