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, 14 3 .

Ach

NADPH

AchE

GSH -GCL  
SOD, GPx, GR,

SOD1 SOD2

(kompleksa I i citohrom C oksidaze)

NADPH (gp91<sup>phox</sup>, p22<sup>phox</sup>, p47<sup>phox</sup>, p67<sup>phox</sup>, p40<sup>phox</sup>)

Western blot-a

250

AChE

AChE

CA1

GPx

-GCL GR.

SOD

SOD1 SOD2

nc.caudatus-

I  
COX.

gp91<sup>phox</sup>

nc.caudatus – ,

nc.caudatus– ,

p22<sup>phox</sup>

p47<sup>phox</sup>

nc.caudatus- .

p40<sup>phox</sup>

p67<sup>phox</sup> .

)

(Muscatell i sar., 2009).

(Roberts, 1994).

(Francis i Meaney, 1999).

(Foster i sar., 2012),  
SCH (Freedman i sar., 2008;  
Scarr, 2012). AchE  
-  
(Carruthers i sar., 2015),  
(Barak i sar., 2009).  
GSH ,  
(Radonji i sar., 2010; Stojkovi i sar., 2012;),  
GSH ( Raffa i sar., 2011)  
(Do i sar., 2000) ,  
SCH (Matsuzawa i sar., 2008; Do i sar.,  
2004). GSH,  
GSH  
GSH , -GCL,  
GPx , GR  
postmortem SCH  
GPx i GR *nc.caudatus-u* (Yao i sar., 2006),  
GPx GR (Gawryluk i sar.,  
2011). SOD SOD  
(SOD2) (SOD1)  
SOD

SCH. (Zhang i sar., 2003),  
(Zhang i sar., 2006; Raffa i sar., 2009) SOD

(Raffa i sar., 2011).

SCH , SOD  
GPx, GSH  
GPx (Tsai et al., 2013).

MDA,  
MDA .

(Dietrich-Muszalska i Olas 2009; Zhang i sar., 2010).

(Uysal  
i sar., 2005, Diehl i sar., 2012)

I C .  
I  
COX  
M

I, II, I-III IV  
, ((de  
Oliveira i sar., 2011). Gubert . (Gubert i sar., 2013)

I  
I  
. Dror . (Dror i sar., 2002)  
I

*supstantia*

*nigra-*

COX,

COX

II IV-I (Rice i sar., 2014).

NADPH

NOX

gp91<sup>phox</sup>

gp91<sup>phox</sup>, p22<sup>phox</sup>

p40<sup>phox</sup>

p47<sup>phox</sup>

gp91<sup>phox</sup>

*nc.caudatus-*

gp91<sup>phox</sup>, p22<sup>phox</sup> p47<sup>phox</sup>

NADPH

(Sorice i Krause, 2009),

NOX

(Sorice i sar., 2012),

( Jiang i sar.,2016) ,

NOX2

NADPH

)

**1. Markovi B, Radonji NV, Aksi M, Filipovi B, Petronijevi N.** Long-term effects of maternal deprivation on cholinergic system in rat brain. *BioMed Res Int.* 2014. doi: 10.1155/2014/636574. Epub 2014 Mar 10.

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p67<sup>phox</sup>, p40<sup>phox</sup>)

NADPH

(gp91<sup>phox</sup>, p22<sup>phox</sup>)

(p47<sup>phox</sup>,





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