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Am J Physiol Endocrinol Metab 294:827-832, 2008. First published Feb 19, 2008;
doi:10.1152/ajpendo.00670.2007

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Hypothalamic-pituitary-adrenal axis and the hypothalamic-pituitary-gonadal axis: a review

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Received 19 October 2007; accepted 13 November 2008

Hypothalamic-pituitary-adrenal axis

Am J Physiol Endocrinol Metab 294: 827–832, 2008. doi:10.1152/ajp-endo.00670.2007.

(12). (H) (2, 31).

(29).



(28, 57).

(74, 92).

(55) (40, 41)

H

M

H
(78)

H

Leptin. 1994

(100)

(*db/db*) (*ob/ob*)

(22)

H

K_{-1}
 K_{-1} H
 K_{-1}
 K_{-1}

Summary

H
 H
 M (I).

REFERENCE

1. A , at , a , a . *Brain Res* 539: 223-227, 1991.
2. A a a B t , Na , D. *Br J Obstet Gynaecol* 89: 507-510, 1982.
3. A , Na a . *Biol Reprod* 40: 371-378, 1989.
- 4.

- 442-459, 1998.
33. **E a C N A a C, C, A a R, B a C, N**, a CB, E q t . *Neuron* 23: 775-786, 1999.
34. **E q t , B a C, A a R, N**, a CB. *J Comp Neurol* 395: 535-547, 1998.
35. **E C, t , a t D.** *Science* 274: 1704-1707, 1996.
36. **N , a , C, a C, Da R N a**. *Proc Natl Acad Sci USA* 94: 7001-7005, 1997.
37. **N a -N a R at AC, a a , C a t a , D C, A a E, a , a-**. *Mol Cell Endocrinol* 254: 255-271, 2006.
38. **N D, C a , a , C t D, t**. *Endocrinology* 139: 4652-4662, 1998.
39. **N t D, E , a A N a A, B t DC,** R, tt , N DE. *Endocrinology* 125: 342-350, 1989.
40. **N E.** *Am J Physiol Endocrinol Metab* 273: 231-232, 1997.
41. **N E, A t**. *Science* 185: 949-951, 1974.
42. **N , A, a a , a t , A a , A, a , a N, ta E . K -1**. *Biochem Biophys Res Commun* 312: 1357-1363, 2003.
43. **a , A R, a a , t C.** *J Clin Endocrinol Metab* 60: 299-305, 1985.
44. **a C, a , a- , A a E.** (116, 130). *Neuroendocrinology* 70: 213-220, 1999.
45. **a , C E, D R CA.** *Neuroendocrinology* 58: 218-226, 1993.
46. **tt , C a , t , a , A B , C N a a , C t D, t A.** *Endocrinology* 145: 4073-4077, 2004.
47. **, a t , a a , N a , B , Ba D .** *Endocrinology* 143: 239-246, 2002.
48. **, , t**. *Regul Pept* 23: 209-216, 1988.
49. **a a , B , a , a C, t B.** *J Neurosci* 18: 559-572, 1998.
50. **, E.** *Endocrinology* 144: 1780-1786, 2003.
51. **at , B a , at N a a , at C. H.** *Brain Res* 756: 283-286, 1997.
52. **, a , B a C,** *Endocrinology* 148: 2189-2197, 2007.
53. **a a , C R**. *Front Neuroendocrinol* 13: 1-46, 1992.
54. **a a A, C t D, t A.** *Trends Neurosci* 30: 504-511, 2007.
55. **C.** *Guys Hosp Rep* 118: 315-327, 1969.
56. **a , a ,** *Neuroendocrinology* 45: 290-297, 1987.
57. **t ,** *Br J Sports Med* 37: 490-494, 2003.
58. **a a A, ata , a a , a , a .** *Biochem Biophys Res Commun* 254: 578-581, 1999.
59. **AC, a R , a D, R t E, a , C, E , a B, Ba , a C R C A, A t N, B C.** *Cell Metab* 5: 438-449, 2007.
60. **a , R, C a C .** *Diabetes* 50: 425-435, 2001.
61. **a att R a a C, a D, C a , a a A, C at N , a E, a a B. K 1-/-** 54-/- *Endocrinology* 148: 4927-4936, 2007.
62. **a C, a a .** *Endocrinology* 117: 684-689, 1985.
63. **at C, a , a a , at N .** *H-H Brain Res* 449: 167-176, 1988.
64. **B , a AB, at C, a a a , Ca B , B, a A, C a a , D, N , Ca**

74. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

75. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

76. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

77. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

78. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

79. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

80. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

81. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

82. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

83. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

84. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

85. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

86. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

87. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

88. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

89. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

90. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

91. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

92. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

93. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

94. *Journal of Biological Chemistry* 281: 1148-1159, 2006.

95. *Journal of Biological Chemistry* 281: 1148-1159, 2006.