

????????, ?????, ????????? (?????, 26. XI 1947). ?????? ?????? ?????? ?? ?????? ?????????????? ?????? (??), ? ????????????? (?????? ??????) ? ?????????? ?????? (?????????) ?? ?????????? ?????????????? ?????? (??). ?????????????????? ?????????????? ?????? ?? ?? ?????????????????? ?????????????? ? ?????? (??) ?? ?????????????????? ????. ?????? ??????, ?????? ??? ? ?????????? ?????????????? ?????????? ?? ?????????? ?????? (?????????), ?????????????? ?????????????? ?????, ?????? ? ?????? ? ?????????????? ?????????? ?? ?????????? ??????????, ?????????????? ?????????? ?? ?????????? ? ?????? ?????? ? ?????????????? ?????????? ?? ?????????? ??????, ?????????? ?????????? ?? ?????????? ? ?????????????? ?????????? ?? ?????? ? ?????? ??? (?? ? ??????, ??) ? ?????????? ?????????? ?????????? ?????? ? ?????? ?? ?????????????????? ? ?????????????????? ?????????????? ?????????? ?? ?????? ? ?????????? ?????????????? (INSERM) ? ?????????? (?????????). ?????? ?????????????? ??? ?????? ?? ?????????????????? ? ?????????????????? ?????????????????? ?????? ?????? -- ?? ?????? ?????? ?? ?? ?????????????????? (GAP43) ?????????? ?? ??? ? ?????????? ??? ? ? ?????????? ?????????? (????????, „The 43-kDa neuronal growth-associated protein (GAP-43) is present in plasma membranes of rat astrocytes", Proceedings of the Academy of Natural Sciences of Philadelphia, 1988, 85; ? A. da Cunha, „Regulation of immunoreactive GAP-43 expression in macroglia is cell type specific", *The Journal of Cell Biology*, 1990, 111), ?????? ?????????? ?? ?????? ?????? ?????? ?? ?????? ?????? ?????????????????????? (??) ?????????? ?????????? ?????????????? ?????????? (IL-1, TGF- $\beta$ 1) ??? ? ?????????? ?????????? ?????????????? ?? ? ?????????????? (? A. da Cunha, „Transforming growth factor-beta 1 (TGF- $\beta$ 1) expression and regulation in rat cortical astrocytes", *Journal of Neuroimmunology*, 1992, 36), ?? ?????????? ?? ?????????????????? ?????????????? ?????????? ??? ???? ?????? ?????????? ?????????? ??????????, ??? ? ?????????????? ?????????????? ?????????? ?????? ? ?????????? ?????????? ?????????? ?? ?????????? ?????????? ? ?????????????? ? ?????????????? ? ?????????????? ?????????? ?????????? ?????????? ??????????, ??? ?? ?????????? ?????? ? ?????????? ? ??? ?????????????? ?????????? ?????????? ??????????

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