

Targeting Topics: Recent Scientific References

(continued from page 3)

immobilizing effects were still present. The data demonstrate that the immobilizing mechanism of N₂O is independent from its analgesic effects.

Anti-DBH-SAP

a chemical conjugate of the mouse monoclonal antibody to dopamine beta-hydroxylase and saporin
target: cells that express dopamine beta-hydroxylase

Spatial memory following selective cholinergic lesion of the nucleus basalis magnocellularis

Dashniani M, Burjanadze M, Beselia G, Maglakelidze G, Naneishvili T
Georgian Med News 174):77-81, 2009.

This study investigated the role of cholinergic nucleus basalis magnocellularis (NBM) cells in learning and memory. Rats received bilateral 200-ng injections of 192 IgG-SAP (Cat. #IT-01) into the NBM. Mouse IgG-SAP (Cat. #IT-18) was used as a control. The results indicate the NBM is important in accurate spatial learning and processing information about the spatial

environment. Deficits in rats with the cholinergic lesion may be due to lowered attentional function.

192-IgG-SAP

a chemical conjugate of a mouse monoclonal antibody to rat p75^{NTR} and saporin
target: *LNGFR-positive cells in rat*

Mouse IgG-SAP

a chemical conjugate of pre-immune mouse IgG antibody and saporin

Cell transplantation: a future therapy for narcolepsy?

Arias-Carrion O, Murillo-Rodriguez E
CNS Neurol Disord Drug Targets 8(4):309-314, 2009.

This review covers the current understanding of narcolepsy and discusses the potential for transplants as a therapeutic treatment. Animal models are summarized, including the use of orexin-SAP (Cat. #IT-20) in rats. The review goes on to suggest that production of orexigenic neuroblasts from stem cells may be a useful therapy.

Orexin-SAP has been discontinued.



The Importance of Product References

A message from the Editor

As we start the new year, I'd like to thank all our customers for the top quality science that has resulted in so many important and innovative research publications. Advanced Targeting Systems is dedicated to providing targeting reagents that will further the knowledge and understanding of the many intricate biological systems. But it is YOU, the scientists who use your imaginations, skills and brilliance to make the most of our targeting technology.

For nearly sixteen years, we have listened to your suggestions, read with appreciation the amazing ways you have dissected systems with our products and attempted to provide new tools to further your research. As a small company, we don't have the large marketing budget of the larger research suppliers (One full-page ad in *Science* is over \$8500!). We depend a great deal on the word-of-mouth from knowledgeable customers and, in particular, the product reference you include in your publications. When a scientist wants to know what product to use to achieve the results published, a quick scan of the Materials section will tell them how to get what they need to enhance their own research.

So, thank you. We admire your innovation. We appreciate your science. We look forward to the next exciting results you will publish. Let us know what we can do to be a greater help in your research.

Targeting Teaser Winners

The solution to the puzzle was:

Jumbles: ITCH
HISTMAMINE
SCRATCH
MUTANT
INTENSE

Answer: He... "MIST" THEM.



Congratulations to the puzzle solvers. Each winner receives \$100 credit towards research product purchases from Advanced Targeting Systems.

WINNERS: Kim Van Vliet, Univ Florida, Gainesville, FL * Michael Bienkowski, Univ Pittsburgh, Pittsburgh, PA * April Price, Univ California, San Francisco, CA * Michael Fenko, NYS Institute for Basic Research, Staten Island, NY * Jean Peduzzi, Wayne State Univ SOM, Detroit, MI * Richard Fuerstenberg, R&D Systems, Inc, Minneapolis, MN * Julianne Mullaney, Univ Maryland SOM, Baltimore, MD * Glenn Kageyama, Cal Poly Pomona Univ, Pomona, CA * Richard Robertson, UC SOM, Irvine, CA * Seto Chice, SUNY-HSC, Brooklyn, NY * Heidi Day, Univ Colorado, Boulder, CO * Amalia Dingman, Norman, OK * Darlene Martineau, Del Mar, CA * Ruth Stornetta, Univ Virginia, Charlottesville, VA * Dr. Roger Guillemin, Salk Institute, San Diego, CA



Solve the Teaser online at: www.atsbio.com/news/10q1_teaser.html