



THE UNIVERSITY of TEXAS

HEALTH SCIENCE CENTER AT HOUSTON

Office of Technology Management

MONOCLONAL ANTIBODIES AGAINST HRS-2

The Technology: Dr. Andrew Bean at the University of Texas Health Science Center at Houston (UTHSC-H) has developed a monoclonal antibody to Hrs-2. Hrs-2 is a protein that plays a role in the formation and dissolution of protein complexes during vesicular formation. Cellular expression of hrs-2 can be determined via the monoclonal hrs-2 antibody. This antibody will be useful in determining how hrs-2 is regulated and tracking hrs-2 interaction during vesicular trafficking.

Publications:

- The cellular and developmental expression of hrs-2 in rat. *Eur J Neurosci.* 1999 Sep;11(9):3047-63.
- Distinct Protein Domains Are Responsible for the Interaction of Hrs-2 with SNAP-25. *J Biol Chem.* 2000 Jan 28;275(4):2938-42.
- SNAP-25-associated Hrs-2 protein colocalizes with AQP2 in rat kidney collecting duct principal cells. *Am J Physiol Renal Physiol.* 2001 Sep;281(3):F546-56.
- Hrs-2 regulates receptor-mediated endocytosis via interactions with Eps15. *J Biol Chem.* 2000 May 19;275(20):15271-8.
- Hrs-2 is an ATPase implicated in calcium-regulated secretion. *Nature.* 1997 Feb 27;385(6619):826-9.

NON-CONFIDENTIAL TECHNOLOGY DESCRIPTION

The preceding is intended to be a non-confidential summary of a novel technology created at the University of Texas Health Science center at Houston (UTHSCH), for which the University has obtained patent protection.

UTHSC-H Ref. No.: 2002-0009-rmd

Inventors: Andrew Bean

Patent Status: N/A

License Available: world-wide; non-exclusive

To obtain further information about this technology, please contact:
Office of Technology Management, 7000 Fannin, Suite 720, Houston, TX, 77030
Phone: (713) 500-3369 Fax: (713) 500-0331
Email: uthsch-otm@uth.tmc.edu