



A Polyclonal Antibody Directed Against the C-Terminus of HERG

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The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in a versatile polyclonal anti-HERG antibody.

Overview

HERG (human ether-a-go-go-related gene) encodes a potassium ion channel important for maintaining normal cardiac rhythm and cell growth.

The Invention

UW-Madison researchers have developed a versatile polyclonal anti-HERG antibody. This antibody was developed in 1997 using a fusion protein that included 181 amino acids from the C-terminus of HERG. It detects HERG 1a and 1b.

The antibody's specificity has been tested by Western blot, immunohistochemical and immunoprecipitation assays, including histological characterization of native and expressed HERG channels. In validation tests, it outperformed commercially available antibodies for a range of uses.

Applications

- Analysis of HERG channel proteins

Key Benefits

- More sensitive, selective and versatile than commercially available antibodies
- Reliable – has been used by academic labs worldwide for more than eight years

Additional Information

For More Information About the Inventors

- [Craig January](#).

Publications

- Zhou Z., Gong Q., Epstein M.L. and January C.T. 1998. HERG Channel Dysfunction in Human Long QT Syndrome: Intracellular Transport and Functional Defects. *J. Biol. Chem.* 273, 21061-21066.

Tech Fields

- [Research Tools : Antibodies](#)

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