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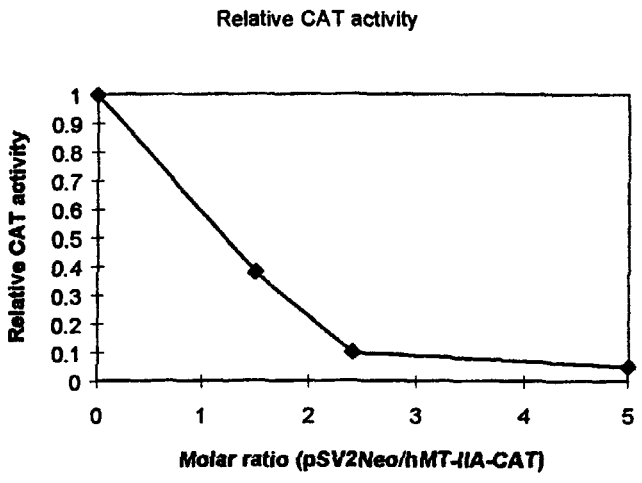
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(54) Title: MICROCOMPETITON AND HUMAN DISEASE




(57) Abstract: Cellular microcompetition for the transcription factor human GA binding protein (GABP) is a risk factor associated with obesity and obesity-related diseases such as osteoarthritis, atherosclerosis, obstructive sleep apnea, various cancers, and periodontitis. The invention uses this novel discovery to develop assays which determine the level of microcompetition in a cell. Other assays developed from the knowledge that microcompetition is occurring in cells are also disclosed. This novel discovery led to the development of assays which can determine the level of microcompetition in a cell and to select compounds to target this microcompetition syndrome. In addition, methods to treat a patient for microcompetition based disease are taught.

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