



© Kamla-Raj 2007

Anthropologist Special Issue No. 3: 513-523 (2007)

Genetic Adaptation of Man

A.I. Ibraimov

KEYWORDS Chromosomal Q-Heterochromatin. Human Adaptation. Cold and Hypoxia. High Altitude

ABSTRACT It is known that there exist physiological, morphological and biochemical changes in the human organism during the process of its adaptation to certain extreme environmental factors (cold and hypoxia). At the same time, the possible existence of some genetic changes in the genome of an adapted man or population, that was postulated by a number of investigators, has not as yet been documented by concrete dates. We suppose that most probably chromosomal Q-heterochromatin regions and not specific structural genes used by man in his adaptation to cold and hypoxia.