



Anti-Cholin transporter-like protein 2-autoantibodies (CTL2)

Synonyms anti-KHRI-3 (**K**resge **H**earin **R**esearch **I**nstitute-**3**)

Indications ▶ Rapidly progressing hearing loss

see also ▶ Autoantibodies in diseases of inner ear

Literature

Nair TS, Kozma KE, Hoefling NL, Kommareddi PK, Ueda Y, Gong TW, Lomax MI, Lansford CD, Telian SA, Satar B, Arts HA, El-Kashlan HK, Berryhill WE, Raphael Y, Carey TE: Identification and characterization of choline transporter-like protein 2, an inner ear glycoprotein of 68 and 72 kDa that is the target of antibody-induced hearing loss. *J Neurosci* (2004); 24(7): 1.772 - 1.779 (PMID: [14973250](#)).

Nair TS, Prieskorn DM, Miller JM, Dolan DF, Raphael Y, Carey TE: KHRI-3 monoclonal antibody-induced damage to the inner ear: antibody staining of nascent scars. *Hear Res* (1999); 129(1-2): 50-60 (PMID: [10190751](#)).

Disher MJ, Ramakrishnan A, Nair TS, Miller JM, Telian SA, Arts HA, Sataloff RT, Altschuler RA, Raphael Y, Carey TE: Human autoantibodies and monoclonal antibody KHRI-3 bind to a phylogenetically conserved inner-ear-supporting cell antigen. *Ann N Y Acad Sci* (1997); 830: 253 - 265 (PMID: [9616684](#)).

Nair TS, Prieskorn DM, Miller JM, Mori A, Gray J, Carey TE: In vivo binding and hearing loss after intracochlear infusion of KHRI-3 antibody. *Hear Res* (1997); 107(1-2): 93 - 101 (PMID: [9165350](#)).