



## Anti-Piccolo autoantibodies

- Synonyms** Protein piccolo, Aczonin.
- Gene** PCLO (ACZ)
- Indications** ▶ Lymphocytic hypophysitis, autoimmune hypophysitis, ACTH deficiency.
- see also** ▶ [Autoantibodies in pituitary diseases](#)

### Prevalence

**Table 1**

Diseases		Authors
Lymphocytic hypophysitis (LH)	3,5 %	Smith et al. 2012
LH (biopsy proven)	4,8 %	
LH (suspected)	2,3 %	
Isolated ACTH-deficiency	10,0 %	
Healthy controls	2,2 %	

**Test methods** RIPA using a short N-terminal fragment.

### Literature

Smith CJ, Bensing S, Burns C, Robinson PJ, Kasperlik-Zaluska AA, Scott RJ, Kämpe O, Crock PA: Identification of TPIT and other novel autoantigens in lymphocytic hypophysitis: immunoscreening of a pituitary cDNA library and development of immunoprecipitation assays. *Eur J Endocrinol* (2012); 166(3): 391 - 398 (PMID: [22193973](#)).

Fujimoto K, Shibasaki T, Yokoi N, Kashima Y, Matsumoto M, Sasaki T, Tajima N, Iwanaga T, Seino S: Piccolo, a  $Ca^{2+}$  sensor in pancreatic beta-cells. Involvement of cAMP-GEFII.Rim2. Piccolo complex in cAMP-dependent exocytosis. *J Biol Chem* (2002); 277(52): 50.497 - 50.502 (PMID: [12401793](#)).