



## Anti-SOX9 autoantibodies

**Indications** ▶ Autoimmune polyglandular syndrome 1 (APS-1), vitiligo.

**see also** ▶ Autoantibodies in autoimmune polyglandular syndromes  
▶ Autoantibodies in vitiligo

**Prevalence** Predominant in vitiligo associated with autoimmune polyglandular syndromes

**Table 1** Disease associations of anti-SOX10

Disease	anti-SOX9	Authors
Autoimmune polyglandular syndrome type 1 (APS-1)	n = 91 15 %	Hedstrand et al. 2001
APS-1 associated with vitiligo	n = 19 42 %	
APS-1 not associated with vitiligo	n = 72 7 %	
Vitiligo	n = 93 1 %	
Healthy subjects (blood donors)	n = 65 0 %	

**Test methods** Radioimmunoprecipitation assay (RIPA), Western blotting

**Literature** Hedstrand H, Ekwall O, Olsson MJ, Landgren E, Kemp EH, Weetman AP, Perheentupa J, Husebye E, Gustafsson J, Betterle C, Kämpe O, Rorsman F: The transcription factors SOX9 and SOX10 are vitiligo autoantigens in autoimmune polyendocrine syndrome type I. *J Biol Chem* (2001); 276(38): 35.390 - 35.395 (PMID: [11423552](https://pubmed.ncbi.nlm.nih.gov/11423552/)).