

## Mouse Monoclonal Antibody to SOX10

Catalogue Number	sAP-0868
Target Molecule	<b>Name: SOX10</b> <b>Aliases:</b> DOM; WS4; PCWH; WS2E; WS4C <b>MW: 49.9kDa</b> <b>Entrez Gene ID: 6663</b>
Description	This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschsprung disease. ;
Immunogen	Purified recombinant fragment of human SOX10 (AA: 147-252) expressed in E. Coli.
Reactive Species	Human;
Clone	MM2E7E8;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Am Acad Dermatol. 2012 Oct;67(4):717-26. ; 2. J Neurooncol. 2006 Jan;76(2):115-27. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**