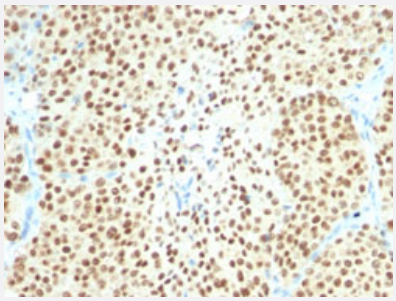
SOX10 monoclonal antibody, clone SPM607

Catalog # MAB13161 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with SOX10 monoclonal antibody, clone SPM607 (Cat # MAB13161).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human SOX10.
Immunogen	Recombinant hexa-histidine tag fusion protein corresponding to amino acids 115-269 of human SOX10.
Host	Mouse
Theoretical MW (kDa)	49-58
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with SOX10 monoclonal antibody, clone SPM607 (Cat # MAB13161).
- Immunofluorescence
- Flow Cytometry

Gene Info — SOX10

Entrez GeneID	6663
Protein Accession#	P56693
Gene Name	SOX10
Gene Alias	DOM, MGC15649, WS2E, WS4
Gene Description	SRY (sex determining region Y)-box 10
Omim ID	277580 601706 602229 609136
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors i nvolved in the regulation of embryonic development and in the determination of the cell fate. The e ncoded protein may act as a transcriptional activator after forming a protein complex with other pr oteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest a nd peripheral nervous system development. Mutations in this gene are associated with Waardenb urg-Shah and Waardenburg-Hirschsprung disease. [provided by RefSeq
Other Designations	OTTHUMP00000028515|OTTHUMP00000195094|SRY-related HMG-box gene 10|dominant me gacolon, mouse, human homolog of

Disease

- Genetic Predisposition to Disease
- Hirschsprung Disease
- Kidney Failure
- Malignant melanoma
- Melanoma
- Neoplasm Metastasis
- Schizophrenia
- Skin Neoplasms