

ARG66245 anti-SOX10 antibody [SQab1734]

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab1734] recognizes SOX10
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SQab1734
Isotype	IgG
Target Name	SOX10
Species	Human
Immunogen	Synthetic peptide around aa. 400-500 of Human SOX10.
Conjugation	Un-conjugated
Alternate Names	WS4C; PCWH; DOM; Transcription factor SOX-10; WS2E; WS4

Application Instructions

Application table	Application	Dilution
	FACS	1:1000 - 1:2000
	ICC/IF	1:2000 - 1:10000
	IHC-P	1:1000 - 1:2000
	IP	1:50
	WB	1:1000 - 1:2000
	Application Note IHC-P: Antigen Retrieval: Boil tissue section in Tris/EDTA buffer (pH 9.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

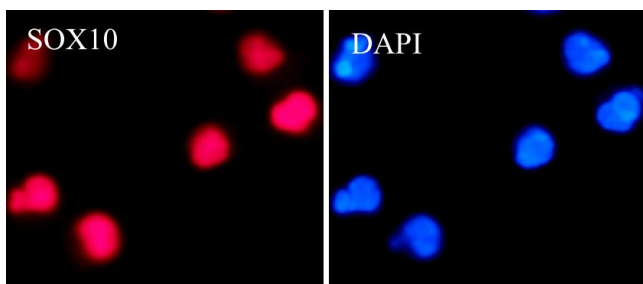
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

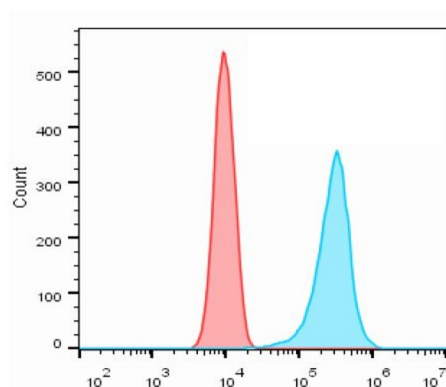
Gene Symbol	SOX10
Gene Full Name	SRY (sex determining region Y)-box 10
Background	SOX10 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional 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. [provided by RefSeq, Jul 2008]
Function	SOX10 is a transcription factor that plays a central role in developing and mature glia. Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination. Once induced, MYRF cooperates with SOX10 to implement the myelination program. Transcriptional activator of MITF, acting synergistically with PAX3 (PubMed:21965087). [UniProt]
Highlight	Related products: SOX10 antibodies ; Anti-Rabbit IgG secondary antibodies ; Related news: Cancer Pathology Markers (SQ clones)
Calculated Mw	50 kDa

Images



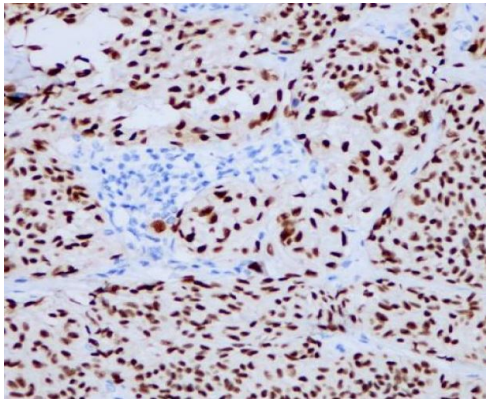
ARG66245 anti-SOX10 antibody [SQab1734] ICC/IF image

Immunofluorescence: A375 cells were fixed with 4% paraformaldehyde for 30 min at RT, permeabilized with 0.1% Triton X-100 for 10 min at RT then blocked with 10% goat serum for 30 min at room temperature. Cells were stained with ARG66245 anti-SOX10 antibody [SQab1734] at 1:10000 and 4°C. DAPI (blue) was used as the nuclear counter stain.



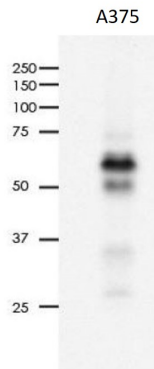
ARG66245 anti-SOX10 antibody [SQab1734] FACS image

Flow Cytometry: A375 cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. Cells were then stained with ARG66245 anti-SOX10 antibody [SQab1734] (blue) at 1:1000 dilution in 1x PBS/1% BSA for 30 min at room temperature, followed by Alexa Fluor® 488 labelled secondary antibody. Unlabelled sample (red) was used as a control.



ARG66245 anti-SOX10 antibody [SQab1734] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human melanoma tissue stained with ARG66245 anti-SOX10 antibody [SQab1734] at 1:100. Antigen Retrieval: Boil tissue section in Tris/EDTA buffer (pH 9.0).



ARG66245 anti-SOX10 antibody [SQab1734] WB image

Western blot: 10 µg of A375 cell lysate stained with ARG66245 anti-SOX10 antibody [SQab1734] at 1:1000 dilution.



ARG66245 anti-SOX10 antibody [SQab1734] IP image

Immunoprecipitation: 0.4 mg of A375 cell lysate immunoprecipitated and stained with ARG66245 anti-SOX10 antibody [SQab1734]. 1) IP in A375 whole cell lysate, 2) Rabbit IgG instead of primary antibody in A375 whole cell lysate, and 3) A375 whole cell lysate, 10 µg (input).