

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human and rat SOX10. Epitope-mapping experiments indicated that clone 20B7 recognizes a determinant in the first 65 amino acids, which contains sequences unique to SOX10 (1).
Source	Monoclonal Mouse IgG ₁ Clone # 20B7
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant rat SOX10 aa 1-118
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

SOX10 belongs to the SOX family of transcription factors which display diverse roles during development. In the central nervous system, SOX10 is required for the terminal differentiation of oligodendrocytes and myelination. In the peripheral nervous system, SOX10 maintains pluripotency of neural crest stem cells and suppresses neuronal differentiation.

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