

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SOX15 in direct ELISAs and Western blots. In direct ELISAs, less than 10% cross-reactivity with recombinant human (rh) SOX3, rhSOX14, and rhSOX21 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SOX15 Met1-Leu233 Accession # O60248
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	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

SOX15 (also known as SOX20) is a nuclear, 25 kDa transcriptional repressor that belongs to group G of the SOX gene family. Human SOX15 is 233 amino acids (aa) in length and contains a 63 aa DNA-binding HMG-box (amino acids 48-110). Although the C-terminus (aa 126-233) does not bind DNA, it is required for SOX15 repressive activity. It may accomplish this by interacting with β -catenin. SOX15 is expressed in myoblasts and regulates skeletal muscle regeneration and differentiation. Human SOX15 shares 75% aa sequence identity with mouse SOX15.

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