Human SOX18 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5077G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human SOX18 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human SOX18 Ala276-Gly384 Accession # P35713
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

SOX18 (SRY-related HMG box) is a 41 kDa (predicted) Group F member of the SOX family of DNA-binding proteins. Human SOX18 is 384 amino acids (aa) in length and contains an N-terminal DNA-binding HMG box (aa 85-153), a central TAD region (aa 168-260) and a highly charged sequence that contains a nine aa transactivation motif (aa 323-331). SOX18 is expressed by endothelium and vascular smooth muscle, and apparently promotes the formation and organization of new capillaries. Over aa 276-384, human SOX18 shares 90% and 89% aa identity with mouse and porcine SOX18, respectively.

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