

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human SOX5 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SOX5 Met417-Asn763 Accession # P35711
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.

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

SOX5 (SRY-related HMG box) is a 75-80 kDa Group D member of the SOX family of DNA-binding proteins. It is expressed in fetal chondrocytes and skeletal muscle, with a short form appearing in spermatids. SOX5 form homodimers and heterodimerizes with SOX6. Human SOX5 is 763 amino acids (aa) in length and contains two coiled-coil regions (aa 193-274 and 448-515), plus one Q/glutamine (aa 234-272) and one HMG box (aa 556-624). HMG domains participate in DNA-binding and protein-protein interaction. There are two alternate start sites at Met14 and Met417 (which creates a short/testis form), plus one variant with a three aa substitution for aa 389-763, another variant with a two aa substitution for aa 1-388, and a third variant with a one aa substitution for aa 534-763. Over aa 417-763, human SOX5 is 97% aa identical to mouse SOX5.

PRODUCT SPECIFIC NOTICES

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