

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human TBX2 in Western blots at approximately 75 kDa.
Source	Monoclonal Rat IgG _{2B} Clone # 393725
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TBX2 Thr593-Arg702 Accession # Q13207
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.

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

TBX2 (T-box transcription factor 2) is a member of a family of transcription factors that share the T-box DNA binding domain. TBX2, as well as other TBX proteins, is involved in remodeling of the heart myocardium through a complex spatial and temporal regulation. TBX2 is associated with tumorigenesis and anti-senescence properties by affecting several cyclin-dependent kinase inhibitors. The full-length protein contains 702 amino acids with a DNA binding domain from aa 99 to aa 277.

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