

Mouse Monoclonal Antibody to TBX5

Catalogue Number sAP-0295

Target Molecule **Name:** TBX5

Aliases: HOS; TBX5

MW: 53kDa

Entrez Gene ID: 6910

Description TBX5, also known as T-box 5. It is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. It is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The TBX5 protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene.

Immunogen Purified recombinant fragment of TBX5 expressed in E. Coli.

Reactive Species Human

Clone MM7B11;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Physiol Genomics. 2004 Jul 8;18(2):129-40. ; 2. J Mol Cell Cardiol. 2003 Oct;35(10):1191-5.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**