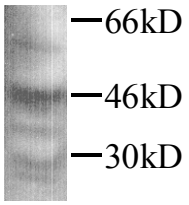
Purified Rabbit Anti-porcine Mature TGFβ1



Mature porcine TGF 1 detected in fibroblasts

Catalog Number: TP253

Lot Number: 032415

Content: Protein A purified rabbit IgG, 500 μg, with 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 500 μl PBS)

Product Description and Usage: For research use only. This polyclonal antibody, which also reacts with mouse and rat TGFβ1, was generated using *E. coli*-expressed mature porcine TGFβ1 (amino acids 280-391 of pro-TGFβ1) as an immunogen. The tested titer for Western blot is 1:2,000. Use 1:200-1:500 for immunohistochemistry.

Cross-reactivity to TGFβ1 of other species has not been determined.

Storage Condition: 4 C for short term storage or -20 C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: TGFβ1 (transforming growth factor-beta1) is a family of multifunctional 25 kDa proteins. TGFβ1 was originally identified for its ability to induce the growth of normal rodent fibroblasts in soft agar. It is now known that TGFβ1 is a potent growth inhibitor of many normal and transformed cell lines. It regulates normal cell growth, development and tissue remodeling following injury. TGFβ1 is produced as latent high molecular weight complexes. The activation of latent TGFβ1 is an important step in the regulation of its action.

References:

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4. Lee, M.S. et al. (1995) Accumulation of extracellular matrix and developmental dysregulation in the pancreas by transgenic production of transforming growth factor-beta 1. *Am J Pathol* 147(1):42-52
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Torrey Pines Biolabs, Inc.
9073 Knight Road
Houston, TX 77054
email:tpbi@chemokine.com

Tel: (713) 383-8144
Toll-free: (866) 383-8144
Fax: (713) 383-8142
web:www.chemokine.com