bs-0743R **[Primary Antibody]**

CTGF Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1490 **SWISS:** P29279

Target: CTGF

Immunogen: KLH conjugated synthetic peptide derived from human CTGF: 221-349/349.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis. [provided by RefSeq, Nov 2009].

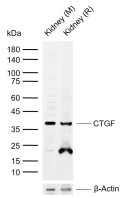
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat (predicted: Rabbit, Pig, Chicken, Dog)

Predicted MW.: 36 kDa

Subcellular Location: Secreted ,Extracellular matrix

VALIDATION IMAGES



Sample: Lane 1: Mouse Kidney tissue lysates Lane 2: Rat Kidney tissue lysates Primary: Anti-CTGF (bs-0743R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kDa Observed band size: 38 kDa

SELECTED CITATIONS

- **[IF=8.46]** Ciamporcero, E., et al. "YAP activation protects urothelial cell carcinoma from treatment-induced DNA damage." Oncogene (2015). WB ;="Human". 26119935
- **[IF=6.854]** Ciamporcero et al. YAP activation protects urothelial cell carcinoma from treatment-induced DNA damage. (2016) Oncogene. 35:1541-53 WB ;Human. 26119935
- **[IF=4.6]** Jiaxu Zhou. et al. JTE-013 Alleviates Pulmonary Fibrosis by Affecting the RhoA/YAP Pathway and Mitochondrial Fusion/Fission. PHARMACEUTICALS-BASE. 2023 Oct;16(10):1444 IHC,IF,WB ;Mouse. 37895915
- **[IF=5.3]** Mya Thandar. et al. Mesenchymal stem cells derived from adipose tissue and umbilical cord reveal comparable efficacy upon radiation-induced colorectal fibrosis in rats. AM J CANCER RES. 2024 Apr 15;14(4):1594-1608 WB ;Rat. 38726273
- **[IF=4.6]** Demircan Volkan. et al. Evaluation of therapeutic use of a combination of pentoxifylline and vitamin E in radiation-induced renal fibrosis. SCI REP-UK. 2024 Mar;14(1):1-14 IHC ;Rat. 38521858