



---

<b>Catalog Number:</b>	RA21028	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Rabbit Polyclonal IgG	<b>Species Reactivity:</b>	Human and Mouse
<b>Immunogen Sequence:</b>	Synthetic peptide	<b>Format:</b>	Lyophilized powder

**Applications:**  
Immunohistochemistry: 5-10 ug/ml  
Immunofluorescence: 5-15 ug/ml  
Western Blot: 1 ug/ml

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

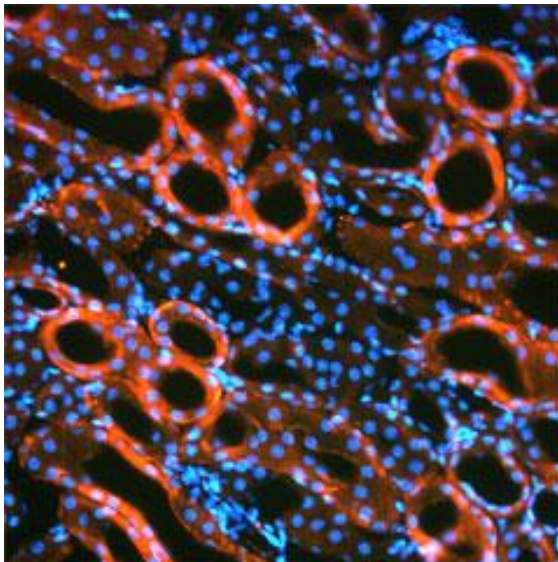
**Storage:** The product can be stored as supplied for up to 12 months at 2°C-4°C. After reconstitution, aliquot and store at -20°C for higher stability or at 4°C with an appropriate antibacterial agent. Avoid freeze thaw-cycles.

---

### Application Notes

#### Description/Data:

TGF beta 1 (TGFB1) is a protein performing many functions including control of proliferation and differentiation, and regulates the actions of many other growth factors. It is a potent stimulator of osteoblastic bone formation. Inactive TGFB1 is a homodimer consisting of a TGFB1 which is non-covalently linked to a latency-associated peptide (LAP), and the active form of TGFB1 is a homodimer of mature TGFB1 protein.



*Images: Immunohistochemical detection of TGF beta 1 in distal convoluted tubules in mouse kidney cortex. Tissue was fixed with 4% formaldehyde and cut into 12 µm thick cryostat sections. Tissue sections were incubated with rabbit polyclonal antibody to TGF beta 1 at 8 µg/mL overnight at 4°C followed by incubation with Donkey anti-rabbit Rhodamine Red conjugated secondary antibodies at 1:200 dilution. Nuclei were counterstained with DAPI (blue).*

**FOR RESEARCH USE ONLY**

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.-V2/08/2012

---

[www.neuromics.com](http://www.neuromics.com)

Neuromics Antibodies • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail: [pshuster@neuromics.com](mailto:pshuster@neuromics.com)