

## TGFβ3 rabbit pAb

**Cat#: orb766474 (Manual)**

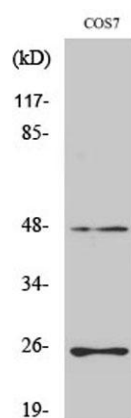
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<b>Product Name</b>	TGFβ3 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TGF beta3. AA range:261-310
<b>Specificity</b>	TGFβ3 Polyclonal Antibody detects endogenous levels of TGFβ3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Transforming growth factor beta-3
<b>Gene Name</b>	TGFB3
<b>Cellular localization</b>	[Latency-associated peptide]: Secreted, extracellular space, extracellular matrix .; [Transforming growth factor beta-3]: Secreted .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using       epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

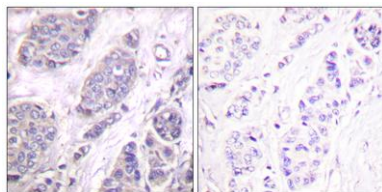
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	13kD
<b>Human Gene ID</b>	7043
<b>Human Swiss-Prot Number</b>	P10600
<b>Alternative Names</b>	TGFB3; Transforming growth factor beta-3; TGF-beta-3

### Background

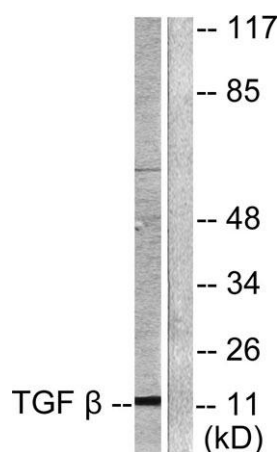
This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. This protein is involved in embryogenesis and cell differentiation, and may play a role in wound healing. Mutations in this gene are a cause of aortic aneurysms and dissections, as well as familial arrhythmogenic



**Western Blot analysis of various cells using TGFβ3 Polyclonal Antibody**



**Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TGF beta3 Antibody. The picture on the right is blocked with the synthesized peptide.**



**Western blot analysis of lysates from COS7 cells, using TGF beta3 Antibody. The lane on the right is blocked with the synthesized peptide.**