

TGFB2 (Transforming Growth Factor beta 2) Antibody

Mouse Monoclonal Antibody [Clone TGFB2/1679]

Catalog No	Format	Size
7042-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7042-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7042-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

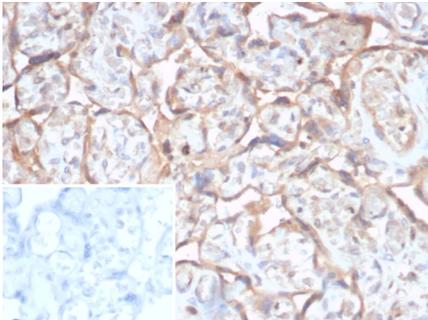
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

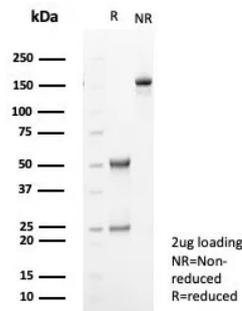
Clone	TGFB2/1679
Gene Name	TGFB3
Immunogen	Recombinant full-length human TGFB2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	13kDa
Cellular Localization	Secreted.
Species Reactivity	Human
Positive Control	Prostate or lung carcinoma.

*Optimal dilution for a specific application should be determined.

Product Images for TGFB2 (Transforming Growth Factor beta 2) Antibody



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with TGF beta 2 Mouse Monoclonal Antibody (TGFB2/1679). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified TGF beta 2 Mouse Monoclonal Antibody (TGFB2/1679). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Transforming growth factor bs (TGFbs) were originally discovered due to their ability to promote anchorage-independent growth of rat NRK fibroblasts in the presence of TGFa. It is now realized that TGFbs mediate many cell-cell interactions that occur during embryonic development. Three TGFbs have been identified in mammals. TGFb1, TGFb2 and TGFb3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecules. Biologically active TGFb requires dimerization of the monomers (usually homodimers) and release of the latent peptide portion. Overall, the mature region of the TGFb3 protein has approximately 80% identity to the mature region of both TGFb1 and TGFb2. However, the NH2 terminals or precursor regions of their molecules share only 27% sequence identity.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Angiogenesis, Cardiovascular, Colon Cancer, Complement System, MAPK Signaling, Mesenchymal Stem Cell Differentiation, Neuroinflammation, Signal Transduction
