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10-6551: Mouse Monoclonal Antibody to TGFB2 (Clone: 220ct16.4.3.1)(Discontinued)

Clonality :	Monoclonal
Clone Name :	220ct16.4.3.1
Application :	WB,IHC-P,IF
Reactivity :	Human
Gene :	TGFB2
Gene ID :	7042
Uniprot ID :	P61812
Format :	Purified
Alternative Name :	Transforming growth factor beta-2, TGF-beta-2, BSC-1 cell growth inhibitor, Cetermin, Glioblastoma-derived T-cell suppressor factor, G-TSF, Polyergin, Latency-associated peptide, LAP, TGFB2
Isotype :	Mouse IgG1,Kappa
Immunogen Information :	Recombinant Protein

Description

This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types by transducing their signal through combinations of transmembrane type I and type II receptors (TGFBR1 and TGFBR2) and their downstream effectors, the SMAD proteins. Disruption of the TGFB/SMAD pathway has been implicated in a variety of human cancers. The encoded protein is secreted and has suppressive effects of interleukin-2 dependent T-cell growth. Translocation t(1;7)(q41;p21) between this gene and HDAC9 is associated with Peters' anomaly, a congenital defect of the anterior chamber of the eye. The knockout mice lacking this gene show perinatal mortality and a wide range of developmental, including cardiac, defects. Alternatively spliced transcript variants encoding different isoforms have been identified.

Product Info

Amount :	80 µl / 400 µl
Purification :	Protein G Chromatography
Content :	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage condition :	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

Application Note

WB~1:100-1:1000|| IHC-P~1:10~50|| IF~1:10~50

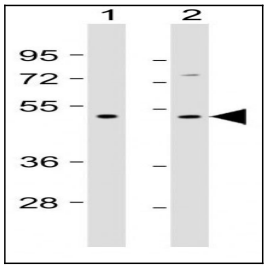

Figure 1: All lanes : Anti-TGFB2 Antibody (10-6551) at 1:500-1:1000 dilution with Lane 1: 293 whole cell lysate and Lane 2: K562 whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa.

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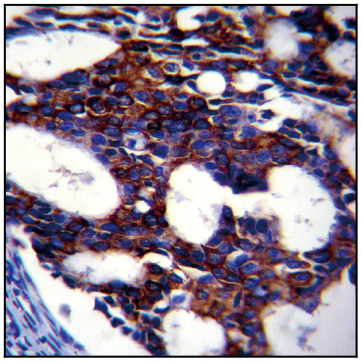

Figure 2: Immunohistochemistry analysis of TGFB2 Antibody (10-6551) in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TGFB2 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

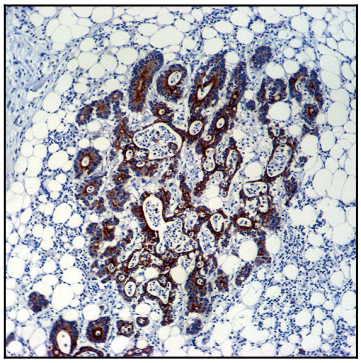

Figure 3: Immunohistochemistry analysis of TGFB2 Antibody (10-6551) in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TGFB2 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

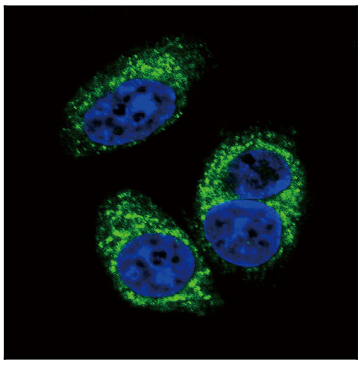

Figure 4: Confocal immunofluorescent analysis of TGFB2 Antibody (10-6551) with A549 cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).

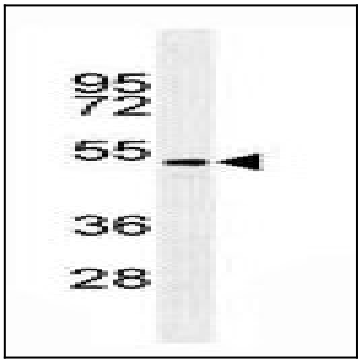

Figure 5: Western blot analysis of TGFB2/MB10181 antibody (10-6551) in A549 cell line lysates (35Î¼g/lane). This demonstrates the TGFB2/MB10181 antibody detected the TGFB2/MB10181 protein.