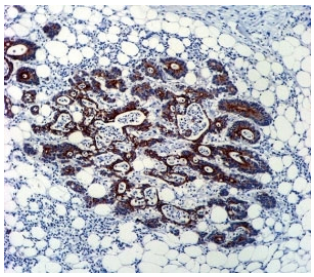
TGFB2 Antibody [clone 220ct16.4.3.1] (F40257)

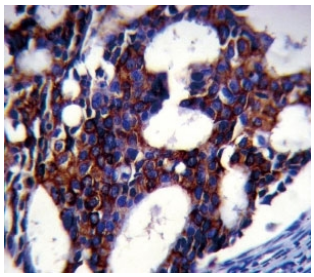
Catalog No.	Formulation	Size
F40257-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40257-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

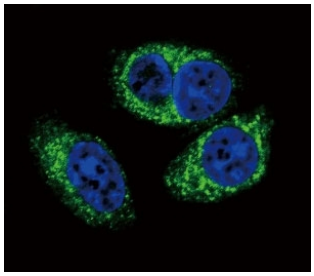
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, k
Clone Name	220ct16.4.3.1
Purity	Purified
UniProt	P61812
Applications	IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Western Blot : 1:100-1:1000
Limitations	This TGFB2 antibody is available for research use only.



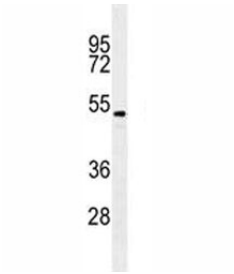
TGFB2 antibody immunohsitochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma



TGFB2 antibody analysis in formalin fixed and paraffin embedded human breast carcinoma.



Confocal immunofluorescent analysis of TGFB2 antibody with A549 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).



TGFB2 antibody western blot analysis in A549 lysate. Predicted molecular weight ~50 kDa

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.

Application Notes

Titration of the TGFB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This TGFB2 antibody was produced from a mouse immunized with TGFB2 recombinant protein.

Storage

Aliquot the TGFB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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