

Product name:	TGFB2 Mouse Monoclonal Antibody
Cat number:	MABN86048
Conjugate:	Unconjugated
Size:	100μL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	This TGFB2 monoclonal antibody is generated from mouse immunized with TGFB2 recombinant protein.
Reactivity:	Human
Applications:	WB 1:500-1:1000,IHC 1:100-1:500,ICC 1:20-1:50
Molecular Weight:	47.7kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in TBS with 0.05% sodium azide.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	This gene encodes a member of the transforming growthfactor beta (TGFB) family of cytokines, which are multifunctionalpeptides that regulate proliferation, differentiation, adhesion,migration, and other functions in many cell types by transducingtheir signal through combinations of transmembrane type I and typeII receptors (TGFB1 and TGFB2) and their downstream effectors,the SMAD proteins. Disruption of the TGFB/SMAD pathway has beenimplicated in a variety of human cancers. The encoded protein issecreted and has suppressive effects of interleukin-2 dependentT-cell growth. Translocation t(1;7)(q41;p21) between this gene andHDAC9 is associated with Peters' anomaly, a congenital defect ofthe anterior chamber of the eye. The knockout mice lacking thisgene show perinatal mortality and a wide range of developmental,including cardiac, defects. Alternatively spliced transcriptvariants encoding different isoforms have been identified.