

Mouse anti-Mouse, Rat TGFbeta1 Monoclonal Antibody | anti-TGFbeta1 antibody

TGFbeta1 Monoclonal Antibody

CATALOG # AAA173686	HOST Mouse	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry
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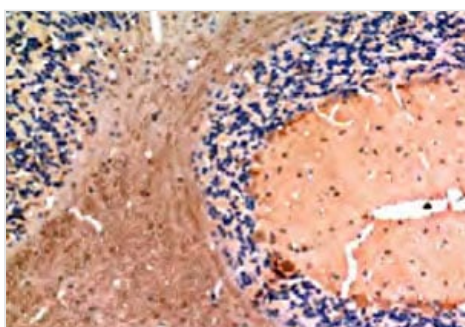
PRODUCT SYNONYMS

TGFbeta1; Monoclonal Antibody; TGFbeta1 Monoclonal Antibody; TGFB1; anti-TGFbeta1 antibody

PRODUCT SPECIFICATIONS

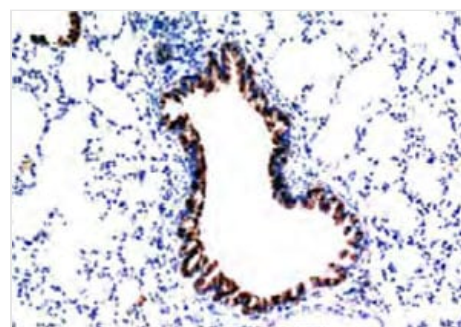
Host	Mouse
Reactivity	Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	5D2
Purity/Purification	Protein A Purification
Sequence Length	390
Applicable Applications for anti-TGFbeta1 antibody	IHC (Immunohistochemistry)
Immunogen	Synthetic Peptide of TGFbeta1
Buffer	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat brain tissue using TGFbeta1 Monoclonal Antibody at dilution of 1:200.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse liver tissue using TGFbeta1 Monoclonal Antibody at dilution of 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-TGFBeta1 antibody	Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFB1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts. Can promote either T-helper 17 cells (Th17) or regulatory T-cells (Treg) lineage differentiation in a concentration-dependent manner. At high concentrations, leads to FOXP3-mediated suppression of RORC and down-regulation of IL-17 expression, favoring Treg cell development. At low concentrations in concert with IL-6 and IL-21, leads to expression of the IL-17 and IL-23 receptors, favoring differentiation to Th17 cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.6
UniProt Accession #	P01137; Q9UCG4; A8K792
Molecular Weight	44,341 Da
NCBI Official Full Name	transforming growth factor beta-1 preproprotein
NCBI Official Synonym Full Names	transforming growth factor beta 1
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.