

Product Name: TGF beta 1 Mouse Monoclonal Antibody
Catalog #: AMM84982

Summary

Production Name	TGF beta 1 Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	TGF beta 1
Alternative Names	TGF beta 1; TGFB; CED; LAP
Gene ID	7040.0
SwissProt ID	P01137.Synthetic peptide conjugated to KLH.

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100
Molecular Weight	Calculated MW: 44 kDa; Observed MW: 12,25,45-65 kDa

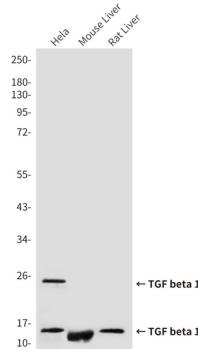
Background

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.

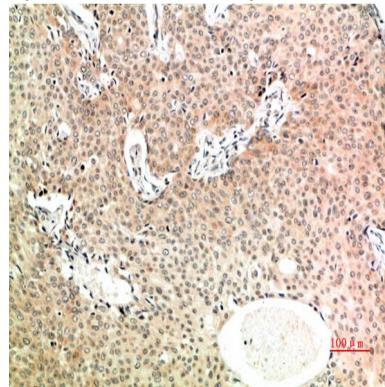
Research Area

TGF-beta signaling pathway,MAPK signaling pathway

Image Data

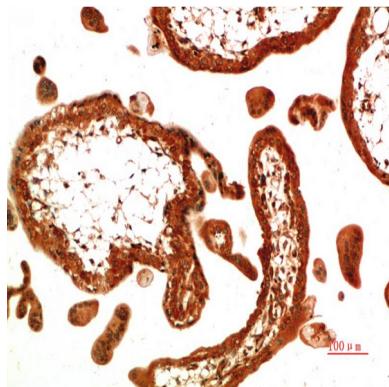


Western blot analysis of TGF beta 1 in Hela lysates, mouse Liver lysates, rat Liver lysates using TGF beta 1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using TGF beta 1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Immunohistochemistry analysis of paraffin-embedded Human Placental Tissue using TGF beta 1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.