



## TGFβ1 Mouse Monoclonal Antibody (5D2)

Cat #: ABM40279

Size: 30μl /100μl /200μl

### Product Information

	<b>Product Name:</b> TGFβ1 Mouse Monoclonal Antibody (5D2)		
	<b>Applications:</b> IHC-P		<b>Isotype:</b> Mouse IgG1
	<b>Reactivity:</b> Mouse, Rat		
<b>REF</b>	<b>Catalog Number:</b> ABM40279	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** TGFB1 (transforming growth factor beta 1) encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGFB family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. TGFB1 is frequently upregulated in tumor cells, and mutations in TGFB1 result in Camurati-Engelmann disease.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC-P (1:100-1:200).

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

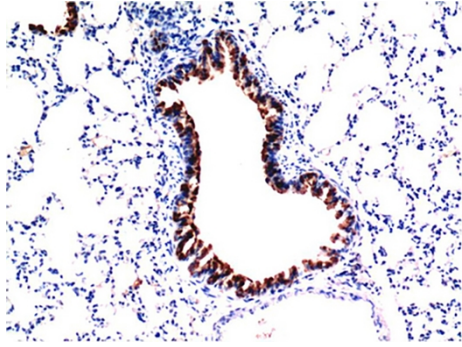


Fig.1. Immunohistochemical analysis of paraffin-embedded Mouse Liver Tissue using Caspase-3 Mouse mAb diluted at 1:200.

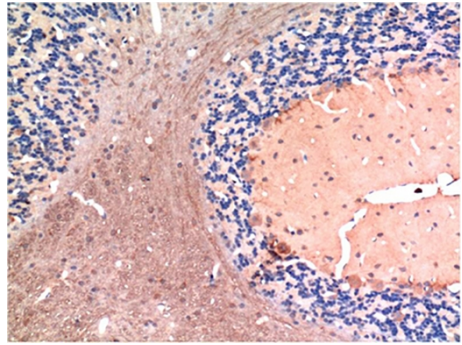


Fig.2. Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using TGFβ1 Mouse mAb diluted at 1:200.

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