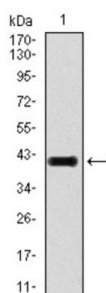
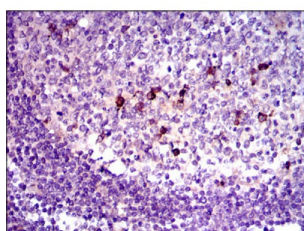


## Transforming Growth Factor Beta 1 (TGFb1) Antibody

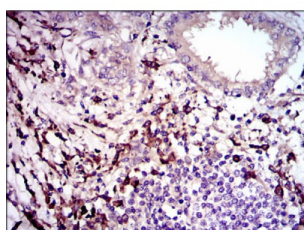
Catalogue No.: abx012041



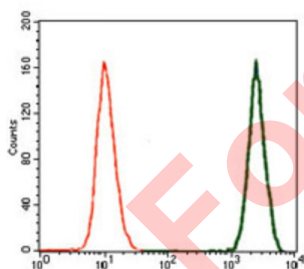
Western blot analysis using TGFb1 antibody against human TGFb1 recombinant protein. (Expected MW is 41 kDa).



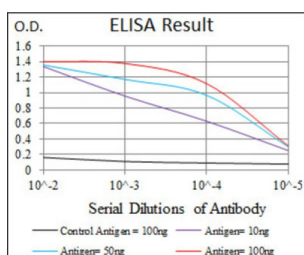
Immunohistochemical analysis of paraffin-embedded lung cancer tissues using TGFb1 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded lymphoid tissue using TGFb1 antibody with DAB staining.



Flow cytometric analysis of A549 cells using TGFb1 antibody (green) and negative control (red).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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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. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

<b>Target:</b>	Transforming Growth Factor Beta 1 (TGFB1)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, IHC, FCM
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Purified recombinant fragment of human TGFB1 (AA: 62-195) expressed in E. coli.
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified from ascites by Protein G chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P01137 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	TGFB1
<b>GeneID:</b>	<a href="#">7040</a>
<b>OMIM:</b>	<a href="#">131300</a>
<b>HGNC:</b>	11766
<b>KEGG:</b>	hsa:7040
<b>Ensembl:</b>	ENSG00000105329

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**String:** [9606.ENSPO0000221930](#)

**Molecular Weight:** 44.3 kDa

**Buffer:** PBS, containing 0.05% sodium azide.

**Concentration:** 1 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only