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Anti-TGF-β1 Rabbit mAb [74G75]

Catalog No.: A52342

Basic Information

Catalog No. (Cat.No.)	A52342
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	TGF-β1,TGFB1 proprotein,Transforming growth factor beta-1

Product Information

Target	TGF-β1
Molecular Weight(Calculated)	44 kDa
Molecular Weight(Observed)	44 kDa,13 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	74G75
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:2000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Transforming growth factor-beta-1
Gene Name	*TGFB1*
Domain	NA
Background	TGF-β1 (Transforming growth factor-β1) is secreted cytokine of TGF-β superfamily controlling proliferation, differentiation, apoptosis, EMT, fibrosis and immune-suppression. TGF-β1 is secreted as latent precursor complex; proteolytic cleavage yields active ligand which engages membrane TGF-β receptors to trigger Smad-dependent and Smad-independent downstream cascades. Physiologically it represses epithelial-cell proliferation. It acts as tumour-suppressor in early-stage neoplasia but drives EMT, invasion-metastasis in advanced tumours. It also potently promotes tissue fibrosis and suppresses effector-T-cell-mediated anti-tumour immunity.