

Anti-TGFB1 antibody (550-650) (STJ25831)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

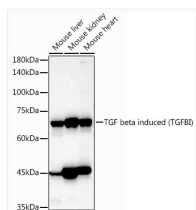
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 75kDa Observed Mw: 70kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

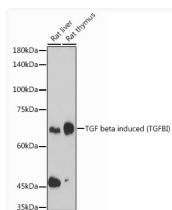
Gene ID	7045
Gene Symbol	TGFB1
UniProt ID	BGH3_HUMAN
Immunogen Region	550-650
Immunogen Sequence	LPPRERSRLGDAKELANIL KYHIGDEILVSGGIGALVRL KSLQGDKLEVSLKNNVSVN KEPVAEPDIMATNGVVHVIT NVLQPPANRPQERGDDELADS A
Specificity	A synthetic peptide corresponding to a sequence within amino acids 550-650 of human TGF beta induced (TGFB1) (NP_000349.1).

ADDITIONAL INFORMATION

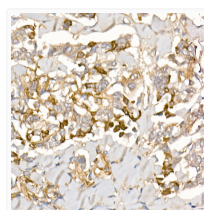
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



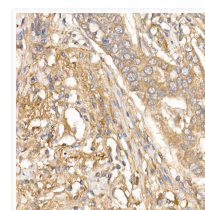
Western blot analysis of extracts of various cell lines, using TGF beta induced (TGFB1) antibody (STJ25831) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



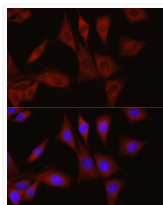
Western blot analysis of extracts of various cell lines, using TGF beta induced (TGFB1) antibody (STJ25831) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



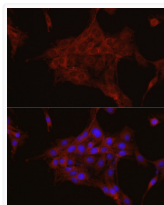
Immunohistochemistry analysis of paraffin-embedded human breast cancer using TGF beta induced (TGFB1) rabbit polyclonal antibody (STJ25831) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



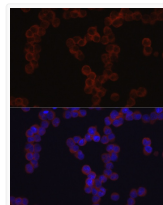
Immunohistochemistry analysis of paraffin-embedded human lung cancer using TGF beta induced (TGFB1) rabbit polyclonal antibody (STJ25831) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of NIH/3T3 cells using TGF beta induced (TGFB1) rabbit polyclonal antibody (STJ25831) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using TGF beta induced (TGFB1) rabbit polyclonal antibody (STJ25831) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Y79 cells using TGF beta induced (TGFB1) rabbit polyclonal antibody (STJ25831) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.