

Datasheet for ABIN7172834
anti-TGFB3 antibody (AA 301-412)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	TGFB3
Binding Specificity:	AA 301-412
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFB3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Transforming growth factor beta-3 proprotein protein (301-412AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TGFB3
Alternative Name:	TGFB3 (TGFB3 Products)
Background:	Background: Transforming growth factor beta-3 proprotein: Precursor of the Latency-associated peptide (LAP) and Transforming growth factor beta-3 (TGF-beta-3) chains, which

Target Details

constitute the regulatory and active subunit of TGF-beta-3, respectively. Latency-associated peptide: Required to maintain the Transforming growth factor beta-3 (TGF-beta-3) chain in a latent state during storage in extracellular matrix (By similarity). Associates non-covalently with TGF-beta-3 and regulates its activation via interaction with 'milieu molecules', such as LTBP1 and LRRC32/GARP, that control activation of TGF-beta-3 (By similarity). Interaction with integrins results in distortion of the Latency-associated peptide chain and subsequent release of the active TGF-beta-3. Transforming growth factor beta-3: Multifunctional protein that regulates embryogenesis and cell differentiation and is required in various processes such as secondary palate development (By similarity). Activation into mature form follows different steps: following cleavage of the proprotein in the Golgi apparatus, Latency-associated peptide (LAP) and Transforming growth factor beta-3 (TGF-beta-3) chains remain non-covalently linked rendering TGF-beta-3 inactive during storage in extracellular matrix (By similarity). At the same time, LAP chain interacts with 'milieu molecules', such as LTBP1 and LRRC32/GARP that control activation of TGF-beta-3 and maintain it in a latent state during storage in extracellular milieus (By similarity). TGF-beta-3 is released from LAP by integrins: integrin-binding results in distortion of the LAP chain and subsequent release of the active TGF-beta-3 (By similarity). Once activated following release of LAP, TGF-beta-3 acts by binding to TGF-beta receptors (TGFB1 and TGFB2), which transduce signal (By similarity).

Aliases: ARVD antibody, ARVD1 antibody, FLJ16571 antibody, LDS5 antibody, MGC105479 antibody, MGC118722 antibody, prepro-transforming growth factor beta-3 antibody, RNHF antibody, TGF beta 3 antibody, TGF beta3 antibody, TGF-beta-3 antibody, TGFB 3 antibody, Tgfb3 antibody, TGFB3_HUMAN antibody, transforming growth factor beta 3 antibody, Transforming growth factor beta-3 antibody

UniProt: [P10600](#)

Pathways: [Cell-Cell Junction Organization](#), [Production of Molecular Mediator of Immune Response](#), [Protein targeting to Nucleus](#)

Application Details

Application Notes: Recommended dilution: IHC:1:50-1:500,

Restrictions: For Research Use only

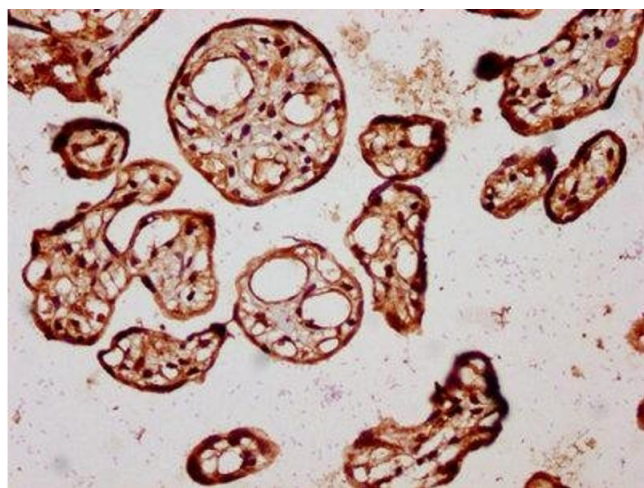
Handling

Format: Liquid

Handling

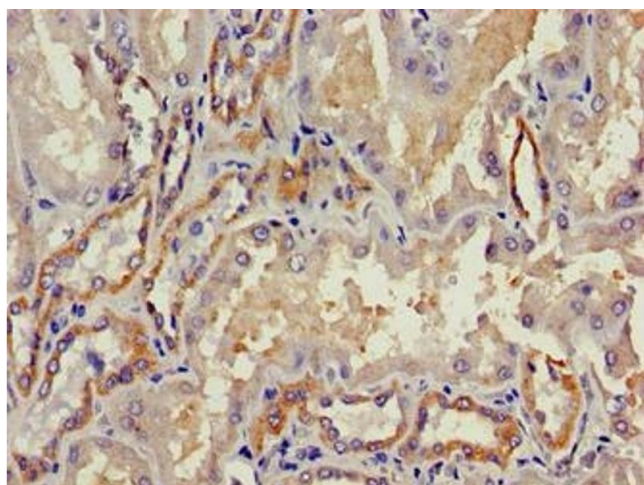
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. IHC image of ABIN7172834 diluted at 1:450 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7172834 at dilution of 1:100