

TGFB2 Rabbit pAb

Catalog No.: A25496

Basic Information

Observed MW

59kDa

Calculated MW

48kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Mouse

Background

This gene 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 TGF-beta family members. Disruption of the TGF-beta/SMAD pathway has been implicated in a variety of human cancers. A chromosomal translocation that includes this gene is associated with Peters' anomaly, a congenital defect of the anterior chamber of the eye. Mutations in this gene may be associated with Loey-Dietz syndrome. This gene encodes multiple isoforms that may undergo similar proteolytic processing.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

Swiss Prot

P61812

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 21-414 of human TGFB2 (NP_003229.1).

Synonyms

LDS4; G-TSF; TGF-beta2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

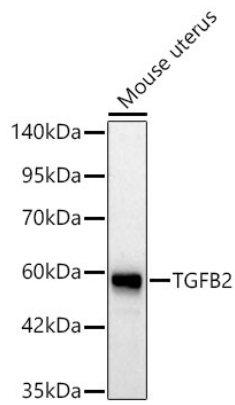
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from Mouse uterus using TGFB2 Rabbit pAb(A25496) at 1:1000 dilution.
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection:ECL Basic Kit (RM00020).
Exposure time:90s.