TGFB1 Rabbit pAb

Catalog No.      A2124  
Applications    WB  
Category        Polyclonal Antibodies  
Observed MW     44kDa  
Cross-reactivity Human, Mouse, Rat  
Calculated MW   44kDa  

Immunogen Information

Immunogen         Recombinant fusion protein containing a sequence corresponding to amino acids 30-280 of human TGFB1 (NP_000651.3).
Gene ID           7040  
Swiss prot       P01137  
Synonyms         TGFB1;CED;DPD1;LAP;TGFB;TGFbeta;TGF-β

Product Information

Source           Rabbit  
Isotype          IgG  
Purification method Affinity purification  
Storage          Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Background

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.

Recommended Dilutions

WB                   1:500 - 1:2000  

Western blot analysis of extracts of various cell lines, using TGFB1 antibody (A2124) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.