Datasheet for ABIN6280717

# anti-TGFBR1 antibody (pSer165)

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## Overview

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| Quantity: | 50 µL |
| Target: | TGFBR1 |
| Binding Specificity: | AA 100-180, pSer165 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TGFBR1 antibody is un-conjugated |
| Application: | ELISA, Immunofluorescence (IF) |

## Product Details

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| Purpose: | TGFβ RI is a protein encoded by the TGFBR1 gene which is approximately 55,9 kDa. TGFβ RI is localised to the cell membrane. It is involved in apoptotic pathways and the PAK pathway. It is a heteromeric complex that transduces the TGFB1, TGFB2 and TGFB3 signal from the cell surface to the cytoplasm and is thus regulating a plethora of physiological and pathological processes including cell cycle arrest in epithelial and hematopoietic cells, control of mesenchymal cell proliferation, differentiation and extracellular matrix production. TGFβ RI is expressed in all human tissues and is most abundant in the placenta. Mutations in the TGFBR1 gene may result in Loeys-Dietz syndrome. STJ91351 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous TGFβ R protein which only binds about S165 when S165 is phosphorylated. |
| Immunogen: | Synthesized peptide derived from human TGFbeta RI around the phosphorylation site of S165. |

## Product Details

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| Isotype: | IgG |
| Specificity: | Phospho-TGFβ RI (S165) Polyclonal Antibody detects endogenous levels of TGFβ RI protein only when phosphorylated at S165. |
| Characteristics: | Rabbit polyclonal to Phospho-TGFβ RI (S165). |
| Purification: | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

## Target Details

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| Target: | TGFBR1 |
| Alternative Name: | TGFbeta RI (TGFBR1 Products) |
| Molecular Weight: | 56 kDa |
| Gene ID: | 7046 |
| UniProt: | P36897 |
| Pathways: | Growth Factor Binding |

## Application Details

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| Application Notes: | IF 1:200-1:1000<br>ELISA 1:5000 |
| Comment: | Found in all tissues examined, most abundant in placenta and least abundant in brain and heart. Expressed in a variety of cancer cell lines . |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Handling

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| Storage: | -20 °C |
| Storage Comment: | Store at -20°C, and avoid repeat freeze-thaw cycles. |