

TGF β Receptor I (AB1598) mouse mAb

V0129

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat; Bovin;

Applications

- Immunohistochemistry (IHC)

MW

- 56 kDa (calculated)
- 56 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:100

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1598

Immunogen A synthetic peptide corresponding to the amino acid region 34 - 100 of the human TGF β Receptor I protein.

Specificity The antibody can specifically recognize human TGF β Receptor I protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name TGFBR1 ALK5 SKR4

Protein Name TGF β Receptor I

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P36897	7046

Background

Members of the transforming growth factor β (TGF- β) superfamily are key regulators of cell proliferation, differentiation, development, morphogenesis, and disease pathogenesis. TGF- β signals through three cell surface receptors: type I (RI), type II (RII), and type III (RIII). Type I and type II receptors are serine/threonine kinases that form heteromeric complexes. Upon ligand binding, type II receptors form a stable complex with type I receptors, leading to phosphorylation and activation of the type I receptor kinase.