

Anti-PDGF Receptor beta Antibody (7P331)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 118 kDa. Actual: 180 kDa.
Clone:	7P331
Purification:	Protein A purified

Applications

Verified Activity:	<ol style="list-style-type: none">25 µg total protein per lane of various lysates (see on figure) probed with PDGF Receptor beta monoclonal antibody, unconjugated (TMAB-10117) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PDGF Receptor beta Monoclonal Antibody, Unconjugated (TMAB-10117) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.Paraformaldehyde-fixed, paraffin embedded Human Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PDGF Receptor beta Monoclonal Antibody, Unconjugated (TMAB-10117) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PDGF Receptor beta Monoclonal Antibody, Unconjugated (TMAB-10117) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PDGF Receptor beta Monoclonal Antibody, Unconjugated (TMAB-10117) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PDGF Receptor beta Monoclonal Antibody, Unconjugated (TMAB-10117) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
Application:	WB,IHC-P,IF,IHC-Fr
Recommended	WB: 1:1000-5000; IHC-P: 1:200-800; IF: 1:200-800; IHC-Fr: 1:200-800

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized peptide: human PDGFR beta

Antigen Species: Human

Gene ID: 5159

Uniprot ID: P09619

Research Background

The PDGF Receptor Type A (Alpha platelet-derived growth factor receptor precursor, CD140a antigen), a 170kD protein, binds all three isoforms of PDGF with high affinity whereas the PDGF Receptor Type B, a 190kD protein, appears to bind only the PDGF BB homodimer with high affinity. Both receptors are transmembranous, ligand activated protein tyrosine kinases, which phosphorylate a number of important signal transduction proteins, which are bound with differential affinities via SH2 domains. The response of any given cell to PDGF will depend on the types of receptors displayed on the surface and isoforms of PDGF present in the extracellular environment.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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