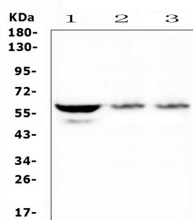
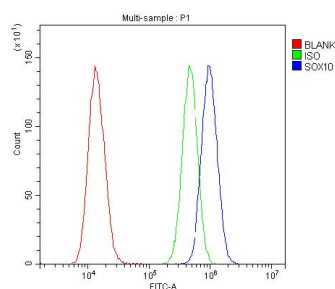


Cat. No:	AB-84777
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human SOX10, which shares 97.1% amino acid (aa) sequence identity with both mouse and rat SOX10.
Reactivity:	Human, Mouse, Rat
Applications:	Western blot, 0.1-0.5ug/ml Flow Cytometry, 1-3ug/1×10 ⁶ cells
Molecular Weight:	60kDa
Synonyms:	Lyophilized
Background:	Transcription factor SOX-10 is a protein that in humans is encoded by the SOX10 gene. This gene encodes a member of the SOX (SRY-related HMGbox) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. Mutations in this gene are associated with Waardenburg- Shah and Waardenburg-Hirschsprung disease.
Form:	Lyophilized
Buffer:	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Storage:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.



Western blot analysis of SOX10 using anti-SOX10 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing



Flow Cytometry analysis of U20S cells using anti-SOX10 antibody. Overlay histogram showing U20S cells stained with (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SOX10 Antibody (1ug/1×10⁶ cells) for 30 min at 20°C.

conditions.

Lane 1: human U-87MG cell lysate,
Lane 2: human A375 cell lysate,
Lane 3: human A375 cell lysate.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- SOX10 antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SOX10 at approximately 60KD. The expected band size for SOX10 is at 50KD.

DyLight®488 conjugated goat anti-rabbit IgG(5-10ug/1×10⁶ cells) was used as secondary antibody for 30 minutes at 20°C.

Isotype control antibody (Green line) was rabbit IgG (1ug/1×10⁶) used under the same conditions.

Unlabelled sample (Red line) was also used as a control.