

# EphB1 Polyclonal Antibody

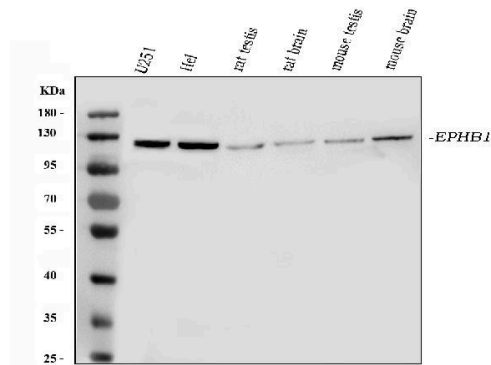
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Eph receptor B1 (56-88aa RTYQVCNVFEPNQNNWLLTTFINRRGAHRIYTE).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2807087

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	2-5 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-

## Product Specific Information

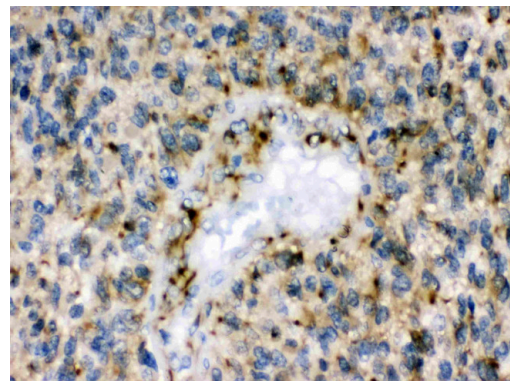
Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For EphB1 Polyclonal Antibody



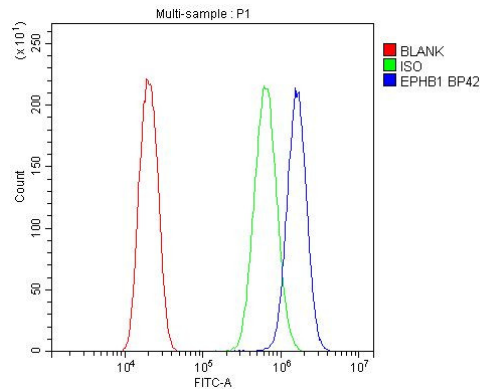
EphB1 Antibody (PA5-95283) in WB

Western blot analysis of Eph receptor B1 in, Lane 1: human U251 whole cell lysates, Lane 2: human HeLa whole cell lysates, Lane 3: rat testis tissue lysates, Lane 4: rat brain tissue lysates, Lane 5: mouse testis tissue lysates, Lane 6: mouse brain tissue lysates. 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 30 µg of sample under reducing conditions. After Electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. The membrane was blocked with 5% non-fat milk /TBS for 1.5 hour at RT. The membrane was incubated with EphB1 Polyclonal Antibody (Product # PA5-95283) at 0.5 µg/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 1:5,000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for Eph receptor B1 at approximately 120 kDa. The expected band size for Eph receptor B1 is at 110 kDa.



EphB1 Antibody (PA5-95283) in IHC (P)

Immunohistochemistry analysis of EphB1 in paraffin-embedded human glioma tissue. Antigen retrieval was performed on the tissue using citrate buffer (pH 6, 20 min) and blocked with 10% goat serum. Samples were incubated with EphB1 polyclonal antibody (Product # PA5-95283) at a 1 µg/mL dilution, followed by biotinylated goat anti-rabbit IgG (30 min, 37°C), and developed with Streptavidin-Biotin-Complex and DAB.



EphB1 Antibody (PA5-95283) in Flow

Flow Cytometry of EphB1 in U2OS cells (blue line), isotype control rabbit IgG (green line) and unlabeled (red line). Samples were blocked with 10% goat serum, incubated with EphB1 Polyclonal Antibody (Product # PA5-95283) at a dilution of 1 µg (per 1x10<sup>6</sup> cells), followed by DyLight®488 conjugated goat anti-rabbit IgG (for 30 minutes at 20°C) using 5-10 µg (per 1x10<sup>6</sup> cells) dilution.

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