

EphB2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Rat
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse EphB2 Val27-Lys548
Form	Lyophilized
Concentration	0.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5% trehalose
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2609043

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1 - 0.5 µg/mL	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	3-25 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	1-15 µg/mL	-
Immunocytochemistry (ICC/IF)	5-15 µg/mL	-
Flow Cytometry (Flow)	0.25 µg per million cells	-

Product Specific Information

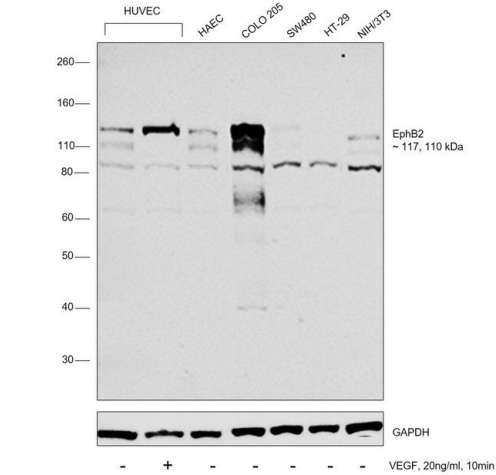
In Western blots, approximately 5% cross-reactivity with recombinant rat (rr) EphB1, recombinant mouse (rm) EphA8, rmEphA6, rmEphB6, rmEphA3, rmEphA4, rmEphA7, rrEphA5, recombinant human EphA1, rmEphA2 and rmEphB3 is observed.

Reconstitute at 0.2 mg/mL in sterile PBS.

Product Images For EphB2 Polyclonal Antibody

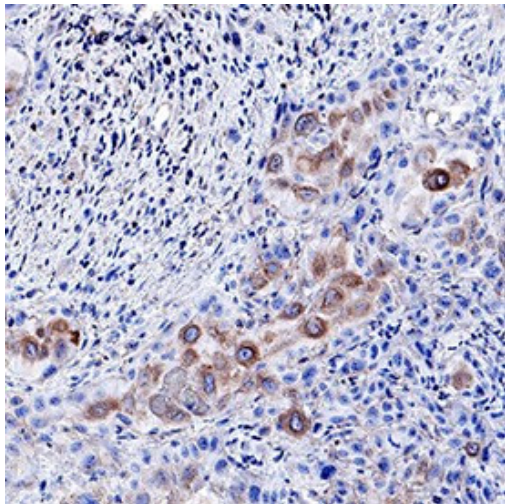
EphB2 Antibody (PA5-47017) in WB

Western blot was performed using Anti-EphB2 Monoclonal Antibody (Product # PA5-47017) and 117, 110 kDa bands corresponding to EphB2 was increased upon VEGF treatment in HUVEC. Also, the expression was highest in COLO 205 in comparison to SW480 and HT-29 as reported. An additional uncharacterized band at ~90 kDa was observed across the samples tested. Membrane enriched cell extracts (30 µg lysate) of HUVEC (Lane 1), HUVEC treated with VEGF (20 ng/mL, 10 min) (Lane 2), COLO 205 (Lane 3), SW480 (Lane 4), HT-29 (Lane 5) and NIH/3T3 (Lane 6) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.5 µg/mL) and detected by chemiluminescence with Rabbit anti-Goat IgG Heavy Chain, Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27014, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



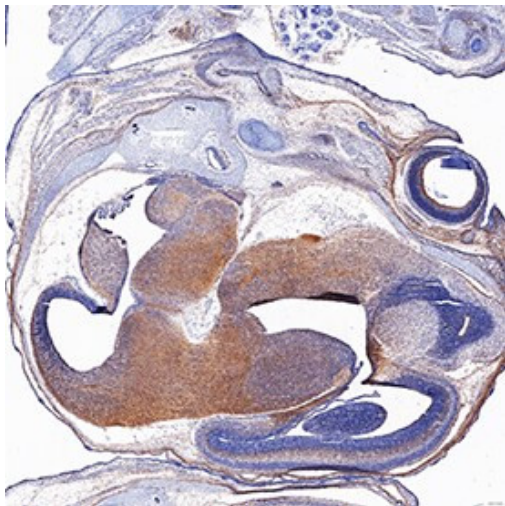
EphB2 Antibody (PA5-47017) in IHC (P)

Immunohistochemical analysis of EphB2 in immersion fixed paraffin-embedded sections of human esophageal squamous cell carcinoma. Samples were incubated with EphB2 polyclonal antibody (Product # PA5-47017) using a dilution of 3 µg/mL for 1 hour at room temperature followed by Anti-Goat IgG VisUCyte™ HRP Polymer Antibody. Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in cancer cells.



EphB2 Antibody (PA5-47017) in IHC (F)

Immunohistochemical analysis of EphB2 in immersion fixed frozen sections of mouse embryo (13 d.p.c.). Samples were incubated with EphB2 polyclonal antibody (Product # PA5-47017) using a dilution of 1.7 µg/mL for 1 hour at room temperature followed by Anti-Goat IgG VisUCyte™ HRP Polymer Antibody. Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to developing brain.



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Immunohistochemistry (1)

<p>The Journal of biological chemistry</p> <p>The ephrin receptor EphB2 regulates the connectivity and activity of enteric neurons.</p> <p>"PA5-47017 was used in Immunohistochemistry to identify a critical role for EphB2 in the ENS and reveal a unique EphB2-mediated molecular program of synapse regulation in enteric neurons."</p> <p>Authors: Bodin R,Paillé V,Oullier T,Durand T,Aubert P,Le Berre-Scoul C,Hulin P,Neunlist M,Cissé M</p>	<p>Year 2021</p> <p>Species Rat</p>
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