

Anti-EphA4 (Tyr-602) [conserved site], Phosphospecific Antibody



Product Details

Available Variants	100 µL (SKU:EP2731)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	EPHA4
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100
Species Reactivity	Chicken, Human, Mouse, Rat
Immunogen	EphA4 (Tyr-602) synthetic peptide (coupled to carrier protein) corresponds to amino acids surrounding phosphorylated tyrosine 602 in human EphA4. This sequence has significant homology to the conserved site in rat and mouse EphA4, and is conserved well in most other EphA and EphB family members.
Specificity	The purified antibody detects a 120 kDa* band corresponding to EphA4 in Western blots of HUVEC cells treated with pervanadate and in mouse brain tissue.
Molecular Weight	120
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

-20°C.

UniProt ID [P54764](#)

Country of Origin United States

Shipping Blue Ice

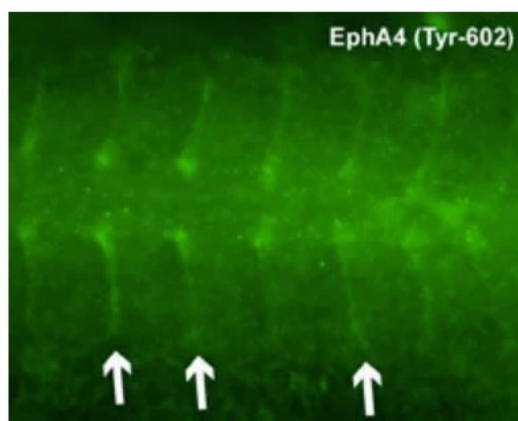
Expiration After date of receipt, stable for at least 1 year at -20°C.

Usage Statement For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

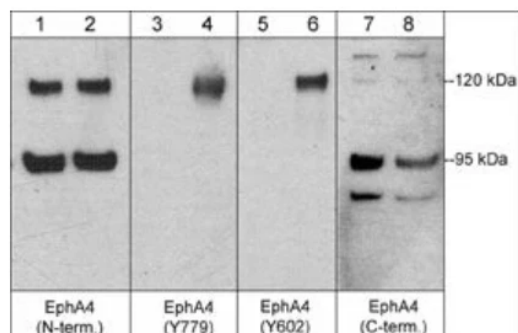
Post Translational Modification Type Phosphorylated

Post Translational Modification Residue Tyr-602

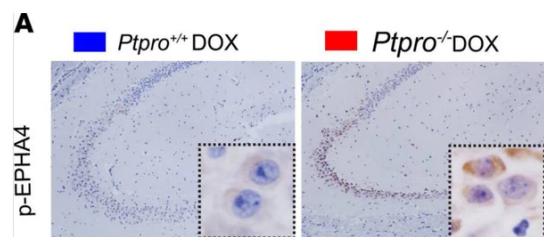
Product Images



Paraformaldehyde-fixed zebrafish embryos were probed with anti-EphA4 (Tyr-602) (EP2731) then detected using Alexa Fluor 647 goat anti-rabbit. Arrows show labeling of somite boundaries and the notochord. (Image provided by Dr. Scott Holley at the Department of Molecular, Cellular and Developmental Biology, Yale University.)



Western blot analysis of human umbilical vein endothelial cells untreated (lanes 1, 3, 5, & 7) or treated with pervanadate (1 mM) for 30 min. (lanes 2, 4, 6, & 8). The blot was probed with anti-EphA4 (N-terminal region) (lanes 1 & 2), anti-EphA4 (Tyr-779) (lanes 3 & 4), anti-EphA4 (Tyr-602) (lanes 5 & 6), or anti-EphA4 (C-terminal region) (lanes 7 & 8).



Representative IHC image of p-EPHA4 (Cat. EP2731, 1:100) in *Ptpro*^{+/+} and *Ptpro*^{-/-} mice hippocampi. Image from publication CC-BY-4.0. [PMID: 37485875](https://pubmed.ncbi.nlm.nih.gov/37485875/)

Product Page URL: www.antibodiesinc.com/products/anti-epha4-tyr-602-conserved-site-phosphospecific-antibody-ep2731



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