

Anti-Tyrosine Kinase Receptor A (TrkA) Antibody

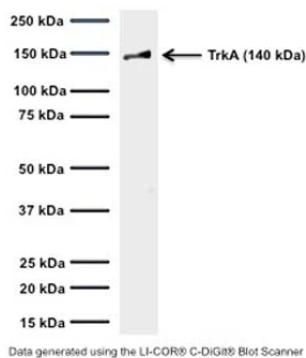


Product Details

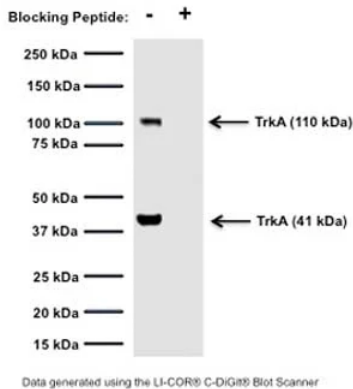
Available Variants	100 µg (SKU:M-1719-100)
Conjugate	Unconjugated
Clone	BS292
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS, pH 7.4, containing 3% trehalose without preservatives.
Production Notes	Protein G purified mouse immunoglobulin
Applications	ICC, WB
Dilution Ranges	WB: 1-3 µg/mL ICC: 1-2 µg/mL
Species Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide from the intracellular cytoplasmic domain of human TrkA (C-HGPDAKLLAGGE, aa: 604-615) has been used as the immunogen.
Specificity	TrkA. Does not cross-react with TrkB or TrkC. Reacts with human TrkA. Known to cross-react with TrkA from rat and mouse. Expected to cross-react with other mammalian species based on peptide antigen sequence similarity.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Final buffer contains no preservatives. After reconstitution divide into aliquots and store at -20°C for a higher stability. Antibody contains no preservatives. Store at 2-8°C with an appropriate antibacterial agent. Use sterile methods. Highest purity Glycerol (1:1) may be added for an additional stability when stored at refrigerated or freezing temperatures. Avoid repetitive freeze/thaw cycles.

UniProt ID	P04629
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

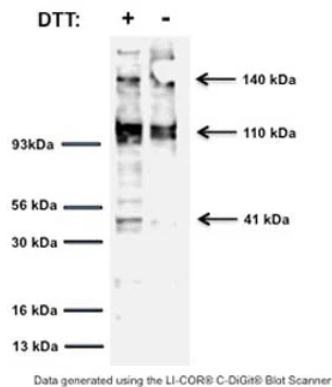
Product Images



Western blot of TrkA in rat PC12 cell lysates (64 µg/lane): SDS-PAGE: denatured, non-reduced; Transfer: Tris-Glycine buffer; Membrane: nitrocellulose (0.45 µm); Blocking: 5% skim milk in TBST, 1 hour at RT; Primary antibody: overnight at 4°C (3 µg/mL); Secondary antibody: anti-mouse-HRP (1/6000) 2 hours at RT; Detection: Chemiluminescence. M-1719-100 detects membrane-associated TrkA full-length protein at approximately 140 kDa (gp140TrkA). Predicted MW of rat TrkA based on amino acid sequence: 85 kDa. The observed MW differs due to post-translational modification, mainly glycosylation.



Western blot of TrkA in rat PC12 cell lysates (80 µg/lane). M-1719-100 detects the intracellular glycosylated immature form of TrkA at 110 kDa (gp140TrkA), and an intracellular cleavage product at 41 kDa (p41, see Cabrera et al., 1995; Rossi et al., 2002). These bands are TrkA-specific, because detection by M-1719-100 is abolished after pre-incubation with blocking peptide. SDS-PAGE: denatured, non-reduced; Transfer: Tris-Glycine buffer; Membrane: nitrocellulose (0.45 µm); Blocking: 5% skim milk in TBST, 1 hour at RT; Primary antibody: overnight at 4°C (3 µg/mL); Secondary antibody: anti-mouse-HRP (1/6000) 2 hours at RT; Detection: Chemiluminescence.



Western blot of TrkA in rat PC12 cell lysates (30 µg/lane). M-1719-100 detects membrane-associated TrkA full-length protein at 140 kDa (gp140TrkA), the glycosylated immature form of TrkA at 110 kDa (gp110TrkA) and an intracellular cleavage product at 41 kDa (p41, see Cabrera et al., 1995; Rossi et al., 2002). SDS-PAGE: denatured, reduced and non-reduced; Transfer: Tris-Glycine buffer; Membrane: nitrocellulose (0.45 µm); Blocking: 5% skim milk in TBST, 2 hours at RT; Primary antibody: overnight at 4°C (3 µg/mL); Secondary antibody: anti-mouse-HRP (1/6000) 2 hours at RT; Detection: Chemiluminescence.

Product Page URL: www.antibodiesinc.com/products/anti-tyrosine-kinase-receptor-a-trka-antibody-m-1719-100



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