

Anti-Tyrosine Hydroxylase (Ser40) Antibody



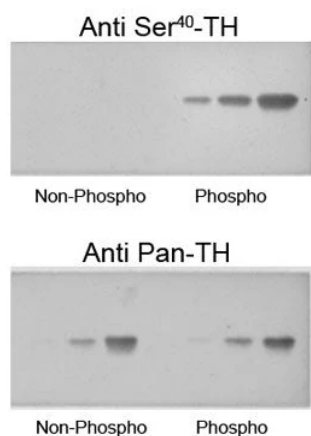
Pooled Serum

Product Details

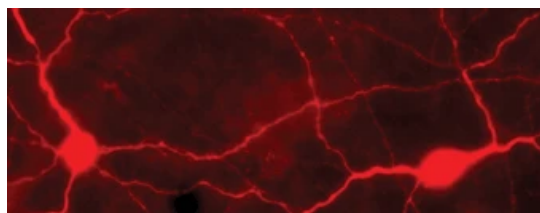
Available Variants	100 µL (SKU:p1580-40) 25 µL (SKU:p1580-40t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	TH
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000 IHC: 1:1000 ICC: 1:50-1:1000
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser40 of rat tyrosine hydroxylase, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~60 kDa tyrosine hydroxylase protein phosphorylated at Ser40. Some higher molecular weight bands may be detected by the antibody depending upon the brain region being studied, protein loads and the detection methods used. The antibody has three orders of magnitude selectivity over non-phospho TH.
Molecular Weight	60 kDa

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.
Antibody Registry ID	AB_2492279
UniProt ID	<u>P04177</u>
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	Ser40
NCBI Gene ID	25085

Product Images



Western blot of recombinant phospho-TH and non-phospho-TH showing selective immunolabeling by the phosphospecific antibody of the ~60 kDa TH phosphorylated at Ser40. The pan-specific antibody (anti-pan-TH) recognized both the phospho- and non-phospho-TH; while most importantly, the phospho-specific antibody (anti-Ser40 TH) recognized only phospho-TH.



Immunostaining of light-stimulated rabbit retina showing labeling of TH when phosphorylated at Ser40.

Product Page URL: www.antibodiesinc.com/products/anti-tyrosine-hydroxylase-ser40-antibody-p1580-40



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