

Immunotag™ TH (phospho Ser8) Polyclonal Antibody

Antibody Specification	
Catalog No.	ITP0677
Product Description	Immunotag™ TH (phospho Ser8) Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TH (Ser8)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Rat
Host Species	Rabbit
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human TH (phospho Ser8)
Specificity	Phospho-TH (S8) Polyclonal Antibody detects endogenous levels of TH protein only when phosphorylated at S8.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TH
Accession No.	P04177
Alternate Names	TH; TYH; Tyrosine 3-monooxygenase; Tyrosine 3-hydroxylase; TH

Antibody Specification

Description	The tyrosine hydroxylase encoded by TH is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.