

## Product datasheet for **AM20681PU-N**

### Th Mouse Monoclonal Antibody [Clone ID: TH-100]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TH-100
Applications:	IHC, IP, WB
Recommended Dilution:	<b>Western Blot:</b> Use at 0.25-0.5 µg/ml with the appropriate system to detect Tyrosine Hydroxylase in cells and tissues. <b>Immunohistochemistry on Frozen Sections:</b> Use at 0.5-1 µg/ml to detect Tyrosine Hydroxylase in formalin or acetone fixed tissues. <b>Immunohistochemistry on Paraffin Sections:</b> Use at 0.5-1 µg/ml to detect Tyrosine Hydroxylase in formalin fixed and paraffin embedded tissues.
Reactivity:	Human, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Tyrosine Hydroxylase(TH)
Specificity:	This antibody reacts to Tyrosine 3-monooxygenase.
Formulation:	1.2% Sodium Acetate, with 2 mg BSA and 0.01 mg Sodium Azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% Sodium Acetate or neutral PBS
Concentration:	0.1 mg/ml (after reconstitution with PBS)
Purification:	Goat anti-Mouse IgG Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tyrosine hydroxylase



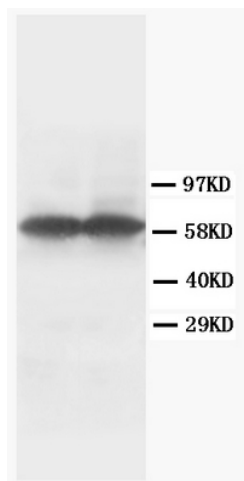
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**Database Link:** [Entrez Gene 7054 Human](#)[Entrez Gene 21823 Mouse](#)[Entrez Gene 25085 Rat P04177](#)

**Background:** Tyrosine hydroxylase is involved in the conversion of phenylalanine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons. Human TH gene contains 13 primary exons and spans approximately 8 kb. TH is in the 11p15.5 region

**Synonyms:** Tyrosine 3-hydroxylase, TYH

**Product images:**



Lane 1: Rat Brain Tissue Lysate. Lane 2: Rat Brain Tissue Lysate.