

# Tryptophan Hydroxylase Antibody | anti-TPH antibody

Tryptophan Hydroxylase (Ab-58) Antibody

|                               |                                        |                                                                                      |
|-------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA267560</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|

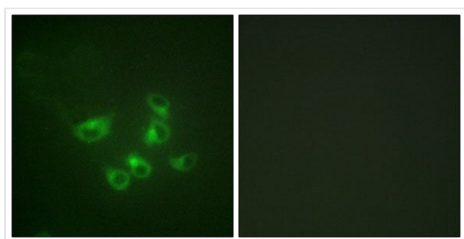
## PRODUCT SYNONYMS

Tryptophan Hydroxylase; Tryptophan Hydroxylase (Ab-58) Antibody; EC 1.14.16.4; TRPH; tryptophan 5-hydroxylase 1; tryptophan 5-monoxygenase 1; anti-TPH antibody

## PRODUCT SPECIFICATIONS

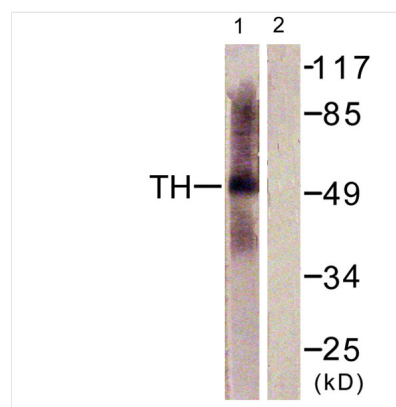
|                                               |                                                                                                                                                                        |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                                      |
| Specificity                                   | Tryptophan Hydroxylase (Ab-58) antibody detects endogenous levels of total Tryptophan Hydroxylase protein.                                                             |
| Purity/Purification                           | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                   |
| Form/Format                                   | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                         |
| Sequence Length                               | 444                                                                                                                                                                    |
| Applicable Applications for anti-TPH antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                          |
| Immunogen                                     | The antiserum was produced against synthesized non-phosphopeptide derived from human Tryptophan Hydroxylase around the phosphorylation site of serine 58 (R-N-SP-E-F). |
| Preparation and Storage                       | Store at -20 degree C for 1 year.                                                                                                                                      |

## IMAGES



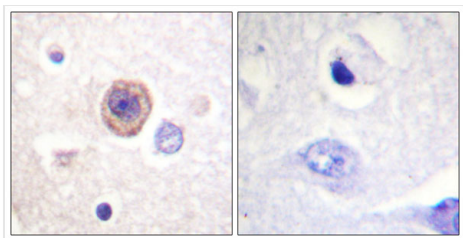
### IF (Immunofluorescence)

Peptide-+ Immunofluorescence analysis of HepG2 cells, using Tryptophan Hydroxylase (Ab-58) antibody.



### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using Tryptophan Hydroxylase (Ab-58) antibody. Western blot analysis of extracts from HepG2 cells, using Tryptophan Hydroxylase (Ab-58) antibody.



Application Data  
Peptide-+

### ADDITIONAL INFORMATION

|            |                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Ji Ying Sze, Development, Aug 2002; 129: 3901. Jeremy Veenstra-VanderWeele, Mol. Interv., Mar 2003; 3: 72. Nurgul Carkaci-Salli, J. Biol. Chem., Sep 2006; 281: 28105-28112. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 4759248                                        |
| NCBI GeneID                      | 7166                                           |
| NCBI Accession #                 | NP_004170.1                                    |
| NCBI GenBank Nucleotide #        | NM_004179.2                                    |
| UniProt Accession #              | P17752; O95188; O95189; Q16736; Q3KPG8; D3DQX6 |
| Molecular Weight                 | 53,394 Da                                      |
| NCBI Official Full Name          | tryptophan 5-hydroxylase 1                     |
| NCBI Official Synonym Full Names | tryptophan hydroxylase 1                       |
| NCBI Official Symbol             | TPH1                                           |
| NCBI Official Synonym Symbols    | TPRH; TRPH                                     |
| NCBI Protein Information         | tryptophan 5-hydroxylase 1                     |
| UniProt Protein Name             | Tryptophan 5-hydroxylase 1                     |
| UniProt Gene Name                | TPH1                                           |
| UniProt Synonym Gene Names       | TPH; TPRH; TRPH                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tpH-human-mouse-rat-antibody/tryptophan-hydroxylase/267560>