

# TPH1 (Phospho Ser260) Rabbit pAb

CatalogNo: YP0748

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, ELISA

### MW

- 55kD (Observed)

### Isotype

- IgG

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

## Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Tryptophan Hydroxylase around the phosphorylation site of Ser260. AA range:231-280

**Specificity** Phospho-TPH1 (S260) Polyclonal Antibody detects endogenous levels of TPH1 protein only when phosphorylated at S260. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):HSsDP

## Target Information

**Gene name** TPH1

**Protein Name** Tryptophan 5-hydroxylase 1

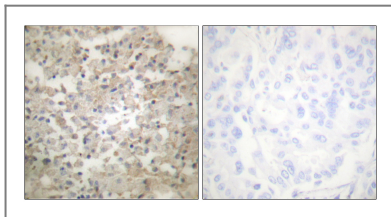
Organism	Gene ID	UniProt ID
Human	<a href="#">7166</a> ;	<a href="#">P17752</a> ;
Mouse	<a href="#">21990</a> ;	<a href="#">P17532</a> ;
Rat	<a href="#">24848</a> ;	<a href="#">P09810</a> ;

**Cellular Localization** cytosol,neuron projection,

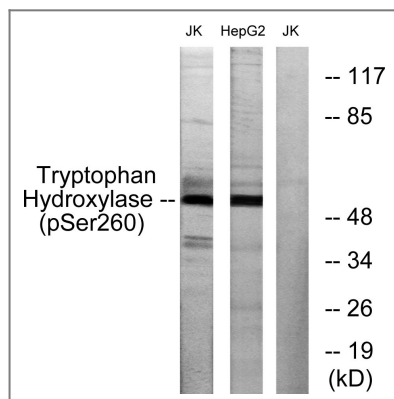
**Tissue specificity** [Isoform 2]: Seems to be less widely expressed than isoform 1.

**Function** Catalytic activity:L-tryptophan + tetrahydrobiopterin + O(2) = 5-hydroxy-L-tryptophan + 4a-hydroxytetrahydrobiopterin.,cofactor:Fe(2+) ion.,pathway:Aromatic compound metabolism; serotonin biosynthesis; serotonin from L-tryptophan: step 1/2.,similarity:Belongs to the biopterin-dependent aromatic amino acid hydroxylase family.,similarity:Contains 1 ACT domain.,subunit:Multimer of identical subunits.,tissue specificity:Isoform 2 seems to be less widely expressed than isoform 1.,

## Validation Data



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Tryptophan Hydroxylase (Phospho-Ser260) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells and HepG2 cells, using Tryptophan Hydroxylase (Phospho-Ser260) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

Orders: order@immunoway.com  
Support: tech@immunoway.com  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: http://www.immunoway.com  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**TPH1 (Phospho Ser260) Rabbit pAb**

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[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)