

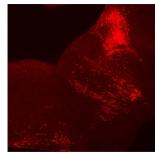


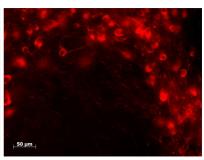
Telephone: (650) 697-3600

## **GOAT ANTI-TPH2 (MOUSE) ANTIBODY**

**SKU:** EB11012

erest





## **SPECIFICATIONS**

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**Unit Size** 

Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym / Δlias **Names** 

Tph2| tryptophan hydroxylase 2| tryptophan 5-monooxygenase 2| tryptophan 5-hydroxylase 2| OTTMUSP00000022885| Ntph| neuronal tryptophan hydroxylase| MGC159133| AU043594| tryptophan 5monooxygenase 2| tryptophan 5-hydroxylase 2| neuronal tryptophan hydroxylase| OTTMUSP00000022885| Ntph| MGC159133| AU043594| tryptophan hydroxylase 2|Tph2

Usage **Summary** 

<strong>Immunofluorescence:</strong> In free-floating samples of Mouse Brain stem staining of Raphe nucleii serotonergic neurons can be seen, that is consistent with observation by different antibodies. Recommended concentration, 0.5-2µg/ml.

Accession

NP 775567.2

**Blocking Peptide** 

EBP11012

**Immunogen** 

Peptide with sequence C-SLTQNKAIKSEDK, from the internal region of the protein sequence according to NP 775567.2.

**Peptide** 

Sequence

C-SLTQNKAIKSEDK

Method

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**Shipping** 

Refrigerated Instructions

**Predicted Species** 

Mouse

Reactive **Species** 

Mouse





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Mouse Gene ID

216343

Product

Grade

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite\_medium.png

**ELISA** 

Detection

Limit

Western

Antibody detection limit dilution 1:32000.

Preliminary experiments gave an approx 85kDa band in Mouse fetal Brain lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 55.9kDa according to NP\_775567.2. The 85kDa band was successfully blocked by

incubation with the immunizing peptide.

Application

Type

Blot

Pep-ELISA, IF

## SELECTED REFERENCES

[{"pmid": 38589690, "intro": "This antibody has been successfully used on Mouse:", "title": "Prebiotic diet normalizes aberrant immune and behavioral phenotypes in a mouse model of autism spectrum disorder", "author": "Naika Prince, Lucia N Peralta Marzal, Anastasia Markidi, Sabbir Ahmed, Youri Adolfs, R Jeroen Pasterkamp, Himanshu Kumar, Guus Roeselers, Johan Garssen, Aletta D Kraneveld, Paula Perez-Pardo", "journal": "Acta Pharmacol Sin. 2024 Aug;45(8):1591-1603."}, {"pmid": 24881576, "intro": "This antibody has been successfully used in IF on Mouse:", "title": "Central serotonergic neuron deficiency in a mouse model of Zellweger syndrome.", "author": "Rahim RS, Meedeniya AC, Crane DI.", "journal": "Neuroscience. 2014 Aug 22;274:229-41."}]

## **GALLERY IMAGES**



