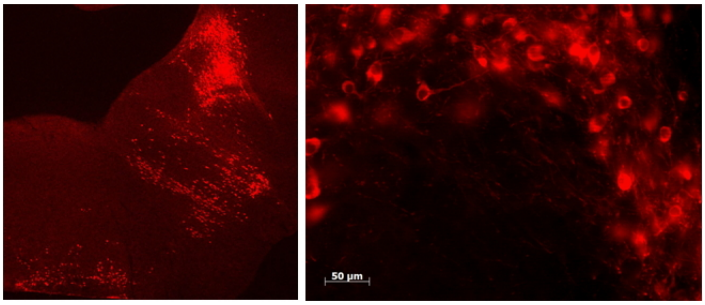
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GOAT ANTI-TPH2 (MOUSE) ANTIBODY

SKU: EB11012



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	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	Tph2| tryptophan hydroxylase 2| tryptophan 5-monooxygenase 2| tryptophan 5-hydroxylase 2| OTTMUSP00000022885| Ntph| neuronal tryptophan hydroxylase| MGC159133| AU043594| tryptophan 5-monooxygenase 2| tryptophan 5-hydroxylase 2| neuronal tryptophan hydroxylase| OTTMUSP00000022885| Ntph| MGC159133| AU043594| tryptophan hydroxylase 2|Tph2
Usage Summary	Immunofluorescence: 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 ID	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
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Mouse
Reactive Species	Mouse

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	Antibody detection limit dilution 1:32000.
Western Blot	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	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."}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

