

Product datasheet for **AP33143PU-N**

Tryptophan 5-hydroxylase 2 (TPH2) Goat Polyclonal Antibody

Product data:

| | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | Peptide ELISA: 1/32000 (Detection Limit). 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. Immunohistochemistry on Paraffin Sections: 0.5-2 µg/ml. In paraffin embedded Mouse Brain stem shows staining of Raphe nuclei serotonergic neurons consistent with observation by different antibodies. |
| Reactivity: | Mouse |
| Host: | Goat |
| Clonality: | Polyclonal |
| Immunogen: | Peptide with sequence from the internal region of the protein sequence according to NP_775567.2. |
| Specificity: | This antibody recognizes Mouse Tryptophan 5-hydroxylase 2. Other species not tested. |
| Formulation: | Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Antigen Affinity Chromatography |
| Conjugation: | Unconjugated |
| Storage: | 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: | tryptophan hydroxylase 2 |

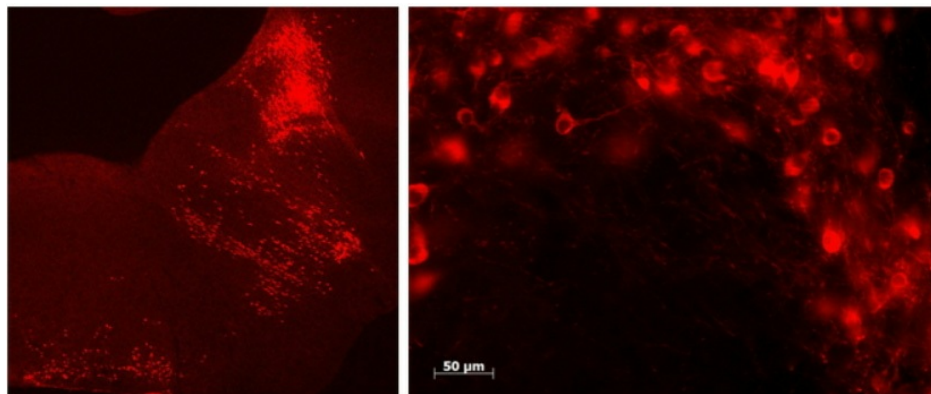


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Database Link: [Entrez Gene 216343 Mouse](#)
[Q8CGV2](#)

Synonyms: Tryptophan 5-monoxygenase 2, Neuronal tryptophan hydroxylase, NTPH

Product images:



AP33143PU-N (0.5 g/ml) staining of paraffin embedded Mouse Brain stem in sagittal (left) and coronal (right) sections of Raphe nuclei. Detection Alexa 594. Data obtained from Prof. D Crane, Griffith Univeristy, Brisbane, Australia.