



## Vasopressin V1B Receptor

## Data Sheet

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<b>Catalog Number:</b>	GT41005	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity Purified Antibody	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Synthetic peptide: Peptide with sequence C-PRDLELADGEGTAE, from the C Terminus of the protein sequence according to NP_000698.1.	<b>Format:</b>	Liquid 0.5 mg/ml. Tris saline, 0.02% sodium azide, pH 7.3, 0.5% BSA
<b>Applications:</b>	Immunohistochemistry: 5-10 µg/ml. Western Blot: 0.05-0.5 µg/ml. Peptide ELISA: 1:32,000		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	Aliquot and store at -20°C. <i>Avoid repeated freeze-thaw cycles.</i>		

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### Application Notes

**Western Blot:**

Approx. 170kDa band observed in Human Brain (Substantia Nigra). Recommended concentration: 0.05-0.2µg/ml.

**Immunohistochemistry:**

*Tissue Preparation:* Formalin fixation and embedding in paraffin wax.

*Tissue Sectioning:* Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C.

*Deparaffinization:* Wash dry slides in 3 changes of xylene – 5 minutes each at Room Temperature.

*Rehydration:* Wash slides in 3 changes of 100% alcohol – 3 minutes each at Room Temperature. Wash slides in 2 changes of 95% alcohol – 3 minutes each at Room Temperature Wash slides in 1 change of 80% alcohol – 3 minutes at Room Temperature. Rinse slides in gentle running distilled water – 5 minutes at Room Temperature.

*Antigen retrieval:* Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes. Remove from heat and let stand at room temperature in buffer - 20 minutes. Rinse in 1X TBS with Tween (TBST) – 1 minute at Room Temperature.

*Immunostaining:* (Do not allow tissues to dry at any time during the staining procedure). Apply a universal protein block – 20 minutes at Room Temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at Room Temperature. Rinse slides in 1X TBST - 1 minute at Room Temperature. Apply a horse-anti-goat IgG , biotin secondary (HO30002)\*– 30 minutes at Room Temperature. Rinse slides in 1X TBST - 1 minute at Room Temperature. Apply alkaline phosphatase streptavidin – 30 minutes at Room Temperature. Rinse slides in 1X TBST - 1 minute at Room Temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at Room Temperature. Wash slides in distilled water – 1 minute at Room Temperature

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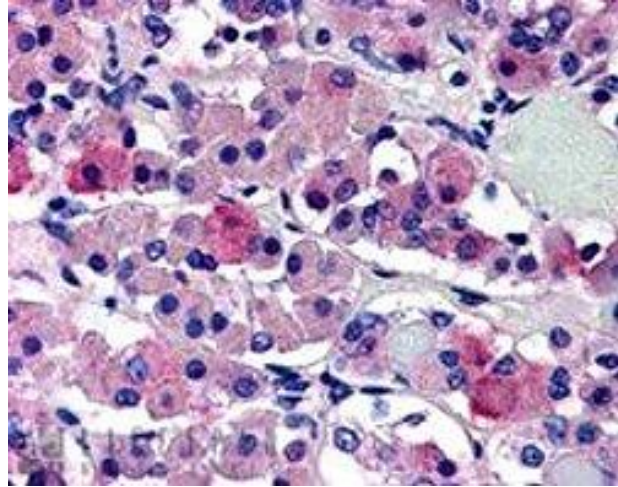
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Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB). Wash slides in 2 changes of 80% alcohol – 1 minute each at Room Temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at Room Temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at Room Temperature. Wash slides in 3 changes of xylene – 1 minute each at Room Temperature. Apply coverslip

\* [Horse anti-goat IgG, Biotin \(catalog# HO30002\)](#)

*Image: Vasopressin V1B Receptor (dilution: 5.0 µg/ml) staining of paraffin embedded Human Anterior Pituitary Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.*



*Image: Vasopressin V1B Receptor (dilution: 0.5µg/ml) staining of Human Amygdala lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.*



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