

## Calretinin

## Data Sheet

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<b>Catalog Number:</b>	RA24445	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Whole Serum	<b>Species:</b>	Mouse, Rat
<b>Immunogen Sequence:</b>	Chick calretinin fusion protein.	<b>Reactivity:</b>	
		<b>Format:</b>	100ul Lyophilized, ≤ 0.09% sodium azide
<b>Applications:</b>	<b>Immunohistochemistry:</b> 1:1,000–1:4,000 in PBS/0.3% Triton X-100 – Bn-AV/HRP		
<b>Storage and Preparation:</b>	Storage: Dilute with phosphate buffer or Tris buffer at dilutions no higher than 1/10, aliquot and freeze at -15° C or lower. Antibody can be stored for up to six months if handled as described above.  It is strongly recommended that the customer perform a primary antibody dilution series using our dilution recommendations as a guideline. Note that a change in the fixation or buffering system as used in our protocol may change the configuration of the protein and, therefore, may alter the reactivity with the tissue tested.		

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### Application Notes for Immunohistochemistry

Tissue Rat cortex, hippocampus, and hypothalamus. The antiserum has been characterized as specific to calbindin D-28k

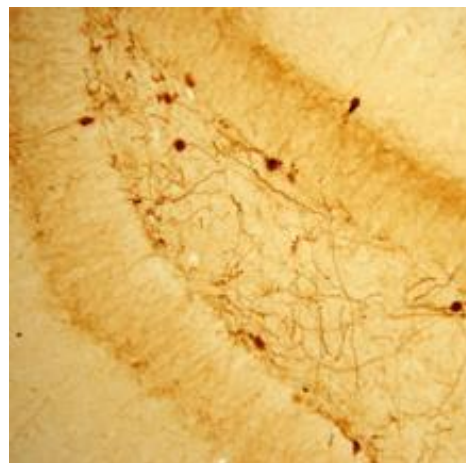
Perfusion Fixation • Fixation: 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4; 500 mL over 20 min. • Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4. • Note: Paraformaldehyde is a necessary component of fixation for this antiserum. If needed for other applications, glutaraldehyde may be used at low levels (0.1–0.3%) in conjunction with paraformaldehyde.

Sections 10 µm cryostat or 50 µm vibratome

Tissue Incubation 18–24 hours at 2°–8°C.

Detection System Bn-Av/HRP reagents at dilutions recommended by the manufacturer

IHC image of neurons staining for calretinin in the rat dentate gyrus. The tissue was fixed with 4% formaldehyde in 0.1 M phosphate buffer, before being removed and prepared for vibratome sectioning. Floating sections were incubated at RT in 10% goat serum in PBS, before standard IHC procedure. Primary antibody was incubated at 1:4000 for 48 hours, goat anti-rabbit secondary was subsequently added for 1 hour after washing with PBS. Light microscopy staining was achieved with standard biotin-streptavidin/HRP procedure and DAB chromogen.



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