

**An Immunocytochemical Study on the Cellulase Activity
in the Digestive System of a land snail *Helix aspersa***

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The immunogold labelling method was applied to observe the antigenic localization in the epithelial cells of the stomach of *Helix aspersa*. The anticellulase was obtained from the rabbit serum which had already been injected with cellulase which was extracted from body fluid of the snail. The tissue specimens were embedded in Spurr mixture, stained with the rabbit's IgG and protein-A gold complex, and observed under the transmission electron microscope.

The gold particles were selectively labeled on the rough endoplasmic reticula, surrounding areas of the rER, and the apical cytoplasm of the epithelial cells.