

Sensory epithelium

The sensory epithelium represents a specialized form of epithelium that is able to *react to stimuli from the external environment*. It occurs as *squamous epithelium* in two forms.

Primary sensory epithelium

It originates from **neuroectoderm**. It is characterized by the presence of both types of nerve processes - **dendrites** and **axon**. The *olfactory epithelium, retina* is of neuroectoderm origin.

Secondary sensory epithelium

They differ in their origins. It comes directly from the germ sheet - **ectoderm**. *It does not contain a conducting process (axon)*. Such an epithelium is capable of responding to a stimulus, but without the presence of a nerve fiber the signal could not be further sent to higher centers; eg *taste cup*.

Links

References

- JARKOVSKÁ, D - MARTÍNEK, J. *Histology I.*. 1. edition. Karolinum, 1997. 54 pp. ISBN 80-7184-388-1.