

Brush cells



These are **tall cylindrical** cells named for **the fringe of microvilli** on their apical cytoplasm. Their main function is **sensitive hearing** – their basal cytoplasm is connected by synapses with trigeminal fibers, which ensures the sensitivity of the mucous membrane of the respiratory tract and in in the alveoli. Due to the developed Golgi apparatus it is also assumed to have a secretory function, and due to the presence of numerous vesicles in the apical cytoplasm, also an absorptive function.

Links

related articles

- Bronchioles (histology)
- Alveoli (histology)

References

- LÜLLMANN-RAUCH, Renate. *Histology*. 1st edition. 2012. ISBN 978-80-247-3729-4.
- MESCHER, Anthony L – JUNQUEIRA, Luiz Carlos Uchôa. *Junqueira's Basic Histology*. 12th edition. 2009. 480 pp. ISBN 9780071630207.