

Simple Epithelium

● Types

i) Simple Squamous Epithelium

- Single layered
- Squamous shaped cells
- Role: Transport

» Location

- Lining of body cavities
- Lungs
- Blood vessels (endothelium)

ii) Simple Cuboidal Epithelium

- Single layered
- Cuboidal shaped cells
- Role: Secretion

» Location

- Respiratory bronchioles

- Kidney tubules
- Thyroid follicles

iii) Simple Columnar Epithelium

- Single layered
- Column shaped
- Role: Secretion + excretion + absorption

» Location

- Lining of GIT

● Pseudostratified Ciliated Columnar

Epithelium → Special type of simple columnar epithelium

- Single layer of cells
- Nuclei at different levels

» Function

- Secretion (goblet cells)
- Protection (cilia + mucous)

- Transport of entrapped particles towards pharynx (cilia)

» Location

- Vas deferens
- Efferent ductules of epididymis
- Trachea
- Bronchial tree