

Quiz 2 Material

Endomembrane System; ER (Protein Import); ER (Protein Folding); Intracellular Vesicle Transport; Golgi; Endocytosis & Lysosomes; Exocytosis

Golgi

KDEL Pathway

[slide 1 of 2]

- **KDEL** = sorting signal; sequence of AAs
 - lysine, aspartic acid, glutamic acid, & leucine
- pH gets more & more acidic from ER → Golgi → lysosome
 - helps control protein sequence interactions
 - higher (more basic) pH causes **KDEL** to release protein in ER
 - lower (more acidic) pH causes **KDEL** to grab protein in Golgi

