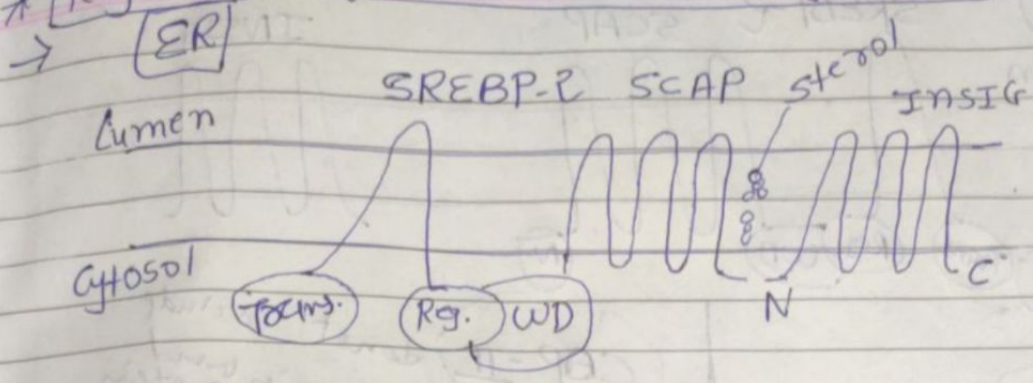


* Regulation of HMG-CoA Regulation



→ When cholesterol level is sufficient / high:

SREBP-2 will bind with SCAP, sterol & INSIG protein



SREBP-2 can not go out of ER to golgi apparatus.



SREBP-2 will not enter in nucleus & bind with SRE



(-) transcription of HMG CoA reductase gene



(-) HMG CoA reductase synthesis



↓ Cholesterol level

→ SREBP-2 - Sterol regulatory element binding protein

→ SCAP - SREBP cleavage activating protein

→ INSIG - protein of endoplasmic reticulum - (-) processing of SREBP by binding to SCAP

When cholesterol level is depleted:

