

# Intrinsic pathway (mitochondrial pathway)

UV irradiation, growth factor removal, oxydative stress....

**Sensitizers BH3s:**  
BAD  
NOXA  
BIK  
HRK

**Activator BH3s:**  
PUMA  
BIM  
BID

**Pore forming proteins (BH1-BH4):**  
BAK  
BAX  
*Inactivated*

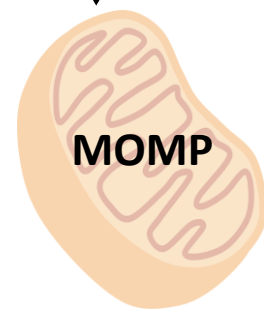
T22-PUMA-GFP-H6

T22-BAXPORO-GFP-H6

**Anti-apoptotic: (BH1-BH4)**  
BCL-2  
BCL-xL  
BCL-W  
MCL-1

**Pore forming proteins (BH1-BH4):**  
BAK  
BAX  
*Activated*

Conformational change



# Extrinsic pathway (death receptor pathway)

FASL, TRAIL....

Caspase-8

Apaf-1

Caspase-9

Caspase-3

Cyt C

**APOPTOSIS**

T22-PUMA-GFP-H6

T22-BAK-GFP-H6

