

# ApoSignaling™

## Apoptosis Signaling Validation

Antiproliferative activity



Cell death

### Apoptosis validation:

- Detection of phosphatidylserine (Annexin V staining)
- Detection of DNA fragmentation (single-stranded DNA detection system)



Apoptosis

Non-apoptotic  
cell death



### Caspase activation:

- Caspase 3 activation detection
- Caspase 7 activation detection
- Caspase 8 activation detection
- Caspase 9 activation detection

### Mitochondria mediated apoptosis:

- Cytochrome c detection
- Mitochondrial transmembrane potential change detection

### Effect on survival pathway:

- NF-κB activation detection
- AKT activation detection