

Phospho-Rb (Ser807/811) (Clone: D9) rabbit mAb

Clonality :	Monoclonal
Clone Name :	RbS807S811-D9
Application :	FACS, WB
Reactivity :	Human
Conjugate :	Unconjugated
Format :	Purified
Alternative Name :	Retinoblastoma-associated protein, p105-Rb, pRb, pp110
Isotype :	Rabbit IgG1k

Description

Retinoblastoma protein (Rb, phospho Rb) is a tumor suppressor protein that is inactivated in a number of diverse cancers. The antiproliferative activity of Rb is mediated by its ability to inhibit the transcription of genes that are required for cell cycle progression. Rb contains conserved sites that are phosphorylated by cyclin-dependent kinases (CDKs). CDK phosphorylation typically promotes protein-protein interactions through creation of a phospho-epitope that becomes structured upon binding its target. However Rb phosphorylation disrupts interactions with its binding partners. When it is phosphorylated, phospho Rb is inactivated and allows excessive cell growth that is seen in cancer cells. Sixteen potential sites for CDK-mediated phosphorylation exist in Rb and twelve of these sites have been shown to be phosphorylated in vivo.

Product Info

Amount :	200 l µl
Content :	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% BSA
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Use 1 µg/mL for flow cytometry and 0.1 µg/mL for western blotting.(0.5mg/ml, more than 200 western blots)



