

12-4034: Phospho-p53 (Ser15) (Clone: 1C11) rabbit mAb

Clonality :	Monoclonal
Clone Name :	P53S15-1C11
Application :	FACS, WB
Reactivity :	Human, Mouse
Conjugate :	Unconjugated
Format :	Purified
Alternative Name :	Cellular tumor antigen p53, Tumor suppressor p53, TP53
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Ser15 of human phospho p53.

Description

p53 is one of the most highly connected nodes in the signal transduction network in the cell, playing a major role in basic cellular functions. p53 is the first tumor-suppressor gene to be identified, and this gene atypically functions in most human cancers. p53 inactivation in these cancers can prevent formation of homo-tetramers, increase p53 degradation, sequester p53 outside the nucleus, or prevent DNA binding and downstream gene activation. DNA damage is one of the most extensively studied p53 activation mechanism. p53 phosphorylation at the N-terminus decreases affinity for MDM2, preventing p53 degradation and leading to excess accumulation. Phosphorylation at the carboxy terminus of p53 enhances DNA binding.

Product Info

Amount :	20 µl / 200 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

1 µg/mL - 0.001 µg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.(0.5mg/ml, more than 200 western blots)

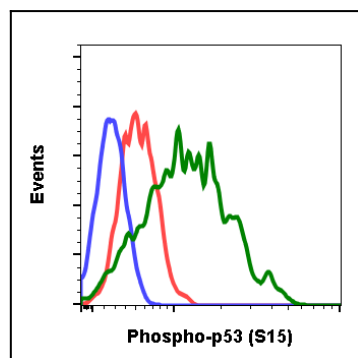


Fig-1: Flow cytometric analysis of SK-N-MC cells secondary antibody only negative control (blue) or untreated (red) or treated with staurosporine (green) using phospho-p53 (Ser15) antibody P53S15-1C11 0.1 µg/mL.

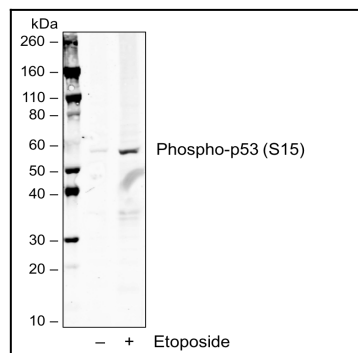


Fig 2 : Western blot analysis of L929 cell extract untreated or treated with etoposide using 0.05 µg/mL phospho-p53 (Ser15) antibody P53S15-1C11.

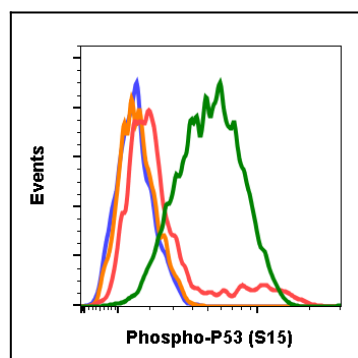


Fig-3: Flow cytometric analysis of C2C12 cells secondary antibody only negative control (blue) or 0.1 µg/mL of isotype control (orange) or untreated (red) or treated with staurosporine (green) using Phospho-p53 (Ser15) antibody P53S15-1C11 at 0.1 µg/mL.