



53BP1 (phospho-Thr543) rabbit pAb

Cat No.:ES18529

For research use only

Overview

Product Name	53BP1 (phospho-Thr543) rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000
Immunogen	Synthesized phospho peptide around human 53BP1 (Thr543)
Specificity	This antibody detects endogenous levels of Human 53BP1 (phospho-Thr543)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	53BP1 (Thr543)
Gene Name	TP53BP1
Cellular localization	Nucleus . Chromosome . Chromosome, centromere, kinetochore . Localizes to the nucleus in absence of DNA damage (PubMed:28241136). Following DNA damage, recruited to sites of DNA damage, such as double stand breaks (DSBs): recognizes and binds histone H2A monoubiquitinated at 'Lys-15' (H2AK15Ub) and histone H4 dimethylated at 'Lys-20' (H4K20me2), two histone marks that are present at DSBs sites (PubMed:23333306, PubMed:23760478, PubMed:24703952, PubMed:28241136, PubMed:17190600). Associated with kinetochores during mitosis (By similarity). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	213kD
Human Gene ID	7158





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Human Swiss-Prot Number Q12888

Alternative Names Tumor suppressor p53-binding protein 1 (53BP1)
(p53-binding protein 1) (p53BP1)

Background



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