







53BP1 (DGR14147) Rabbit mAb

db15410 Package : 10μL 20μL 50μL 100μL

Product Name: 53BP1 (DGR14147) Rabbit mAb

Cat.No.: db15410

Synonyms: TP53; p202; 53BP1; TDRD30; p53BP1

Application : WB, IHC, ICC/IF, FC **Reactivity :** Human, Mouse, Rat

Host species: Rabbit

BackgroundThis gene encodes a protein that functions in the DNA double-strand break repair pathway choice,

promoting non-homologous end joining (NHEJ) pathways, and limiting homologous recombination. This protein plays multiple roles in the DNA damage response, including promoting checkpoint signaling following DNA damage, acting as a scaffold for recruitment of DNA damage response proteins to damaged chromatin, and promoting NHEJ pathways by limiting end resection following a double-strand break. These roles are also important during V(D)J recombination, class switch

recombination and at unprotected telomeres. Alternative splicing results in multiple transcript

variants encoding different isoforms. [provided by RefSeq, Aug 2017]

Immunogen A synthetic peptide of human 53BP1

Gene ID 7158

Swiss Prot Q12888

Synonyms TP53; p202; 53BP1; TDRD30; p53BP1

Reactivity Human, Mouse, Rat

Application WB, IHC, ICC/IF, FC

Recommended dilution WB: 1:1000

IHC: 1:100-1:200

ICC/IF: 1:100-1:200

FC: 1:20

Calculated MW 214 kDa

Observed MW 450 kDa

Host species Rabbit

Clonality Monoclonal





Clonality No. DGR14147

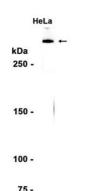
Isotype IgG

Purity Affinity Purification

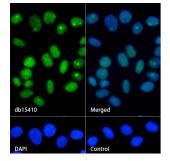
Conjugation Un-conjugated

Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa cells using db15410 at 1:1000.



Immunofluorescence analysis of HepG2 cells labelling 53BP1 with db15410.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15410 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.