



A Reliable Research Partner in Life Science and Medicine

Recombinant 53BP1 Monoclonal Antibody

catalog number: AN301369L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human 53BP1 protein

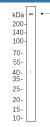
HostRabbitIsotype IgG,κ CloneB1136PurificationProtein A

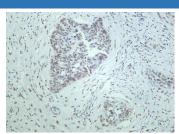
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:2000-1:10000 IHC 1:200-1:1000

Data





Western Blot with Recombinant 53BP1 Monoclonal Antibody Immunohistochemistry of paraffin-embedded human colon at dilution of 1:1000 dilution. Lane A: Hela whole cell lysate. carcinoma using Recombinant 53BP1 Monoclonal Antibody

Observed-MW:450 kDa

at dilution of 1:200.

Calculated-MW:214 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping lce bag

Background

This 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.