

Anti-p53BP1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Rabbit)
Molecular Weight:	Theoretical: 213 kDa.
Purification:	Protein A purified

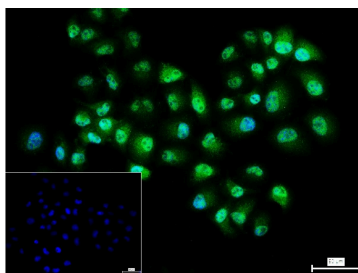
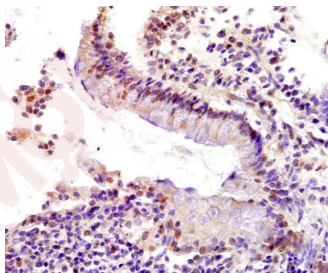
Applications

1. Tissue/cell: rat colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-p53BP1 Polyclonal Antibody, Unconjugated (TMAB-01322) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

Verified Activity:

2. 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at RT for 20 min; Antibody incubation with (p53BP1) polyclonal Antibody, unconjugated (TMAB-01322) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nucleus. PBS instead of the primary antibody was used as the blank control.



Application: ICC/IF,IF,IHC-Fr,IHC-P

Recommended ICC/IF=1:50-200; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human p53BP1/53BP1

Antigen Species: Human

Gene ID: 7158

Uniprot ID: Q12888

Synonyms: p53 binding protein 1;tumor protein 53-binding protein, 1;Tumor protein 53 binding protein 1; Tumor protein p53 binding protein 1;p53 BP1;TP53BP1;TP53 BP1;53 BP1;p202;MGC138366; TP53B;FLJ41424;Tumor suppressor p53 binding protein 1

Research Background

p53 binding protein 1 (53BP1) plays a critical role in tumor suppression and is a putative substrate of ATM kinase. Upon DNA damage, it is phosphorylated and relocalizes to the presumptive sites of damage, p53 binding protein 1 (53BP1) plays a critical role in tumor suppression and is a putative substrate of ATM kinase. Upon DNA damage, it is phosphorylated and relocalizes to the presumptive sites of damage, specifically, double strand breaks. This also suggests a role in DNA repair, maintaining genomic stability.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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