

Rabbit anti-Human TP53BP1 Polyclonal Antibody | anti-TP53BP1 antibody

Anti-TP53BP1 Antibody, Rabbit Polyclonal

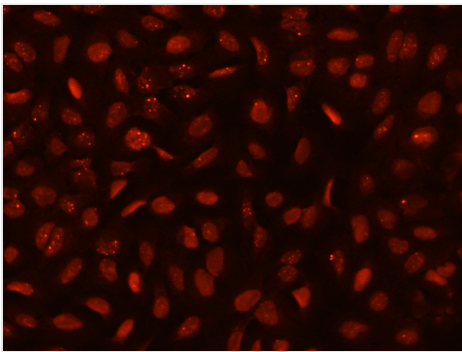
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256477	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

TP53BP1; Polyclonal Antibody; Anti-TP53BP1 Antibody; Rabbit Polyclonal; TP53BP1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-53BP1 Antibody; Anti-p202 Antibody; anti-TP53BP1 antibody

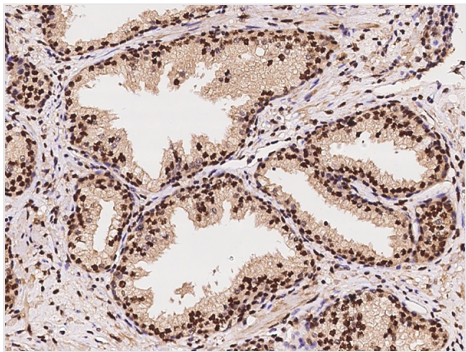
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TP53BP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TP53BP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human TP53BP1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TP53BP1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)

Immunofluorescence staining of TP53BP1 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human TP53BP1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human TP53BP1 in human prostate with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TP53BP1 antibody	53BP1 (also known as tumor protein 53-binding protein 1, TP53BP1) is a chromatin-associated factor that promotes immunoglobulin class switching and DNA double-strand-break (DSB) repair by non-homologous end joining. To accomplish its function in DNA repair, 53BP1 accumulates at DSB sites downstream of the RNF168 ubiquitin ligase. TP53BP1 and TP53 interact during TP53-mediated transcriptional activation and checkpoint activation in response to DNA damage. Several studies have indicated that TP53BP1 has noncanonical roles in processes, such as spindle formation. DNA damage-dependent interaction between TP53 and TP53BP1 may contribute to lung cancer risk. The TP53BP1 gene may be involved in the development of cancer through disrupting DNA repair. TP53BP1 and MFN1 that encodes a mitochondrial membrane protein are considered to have tumor suppressor gene (TSG) functions.
References	Kiyohara C, et al. (2010) Cigarette smoking, tp53 arg72pro, tp53bp1 asp353glu and the risk of lung cancer in a japanese population. Oncol Rep 23 (5): 1361-1368.Jin ZL, et al. (2019) Tp53bp1 regulates chromosome alignment and spindle bipolarity in mouse oocytes. Mol Reprod Dev 86 (9): 1126-1137.Fradet-Turcotte A, et al. (2013) 53bp1 is a reader of the DNA-damage-induced h2a lys 15 ubiquitin mark. Nature 499 (7456): 50-54.Chen K, et al. (2007) Polymorphic tp53bp1 and tp53 gene interactions associated with risk of squamous cell carcinoma of the head and neck. Clin Cancer Res 13 (14): 4300-4305.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tp53bp1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256477>