

Datasheet for ABIN7171737
anti-RAP1 antibody (AA 1-280)



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3 Images

Overview

Quantity:	100 µL
Target:	RAP1 (TERF2IP)
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAP1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Telomeric repeat-binding factor 2-interacting protein 1 protein (1-280AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	RAP1 (TERF2IP)
Alternative Name:	TERF2IP (TERF2IP Products)
Background:	Background: Acts both as a regulator of telomere function and as a transcription regulator. Involved in the regulation of telomere length and protection as a component of the shelterin

Target Details

complex (telosome). In contrast to other components of the shelterin complex, it is dispensable for telomere capping and does not participate in the protection of telomeres against non-homologous end-joining (NHEJ)-mediated repair. Instead, it is required to negatively regulate telomere recombination and is essential for repressing homology-directed repair (HDR), which can affect telomere length. Does not bind DNA directly: recruited to telomeric double-stranded 5'-TTAGGG-3' repeats via its interaction with TERF2. Independently of its function in telomeres, also acts as a transcription regulator: recruited to extratelomeric 5'-TTAGGG-3' sites via its association with TERF2 or other factors, and regulates gene expression. When cytoplasmic, associates with the I-kappa-B-kinase (IKK) complex and acts as a regulator of the NF-kappa-B signaling by promoting IKK-mediated phosphorylation of RELA/p65, leading to activate expression of NF-kappa-B target genes.

Aliases: Dopamine receptor interacting protein 5 antibody, Dopamine receptor-interacting protein 5 antibody, DRIP 5 antibody, DRIP5 antibody, hRap1 antibody, MGC105533 antibody, RAP 1 antibody, RAP1 homolog antibody, RAP1, yeast, homolog if antibody, RAP1, yeast, homolog of antibody, Repressor/activator protein 1 homolog antibody, TE2IP_HUMAN antibody, Telomeric Repeat Binding Factor 2 Interacting Protein antibody, Telomeric repeat-binding factor 2-interacting protein 1 antibody, TERF2-interacting protein antibody, TERF2-interacting telomeric protein 1 antibody, TERF2IP antibody, TRF2 Interacting Telomeric Protein RAP1 antibody, TRF2 interacting telomeric RAP1 protein antibody, TRF2-interacting telomeric protein 1 antibody, TRF2-interacting telomeric protein antibody

UniProt: [Q9NYB0](#)

Pathways: [Cell Division Cycle](#), [Telomere Maintenance](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

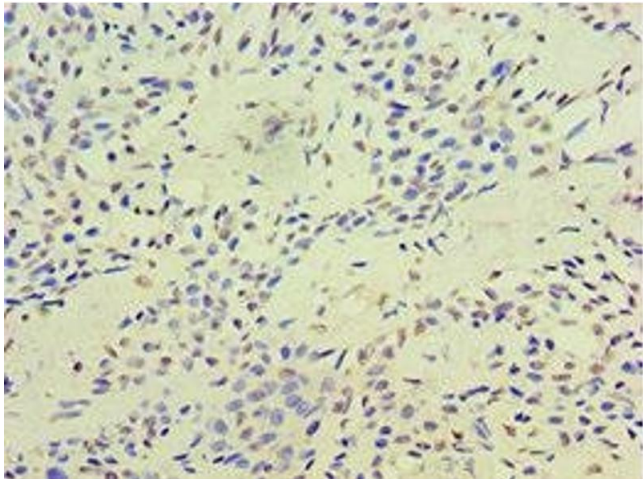
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

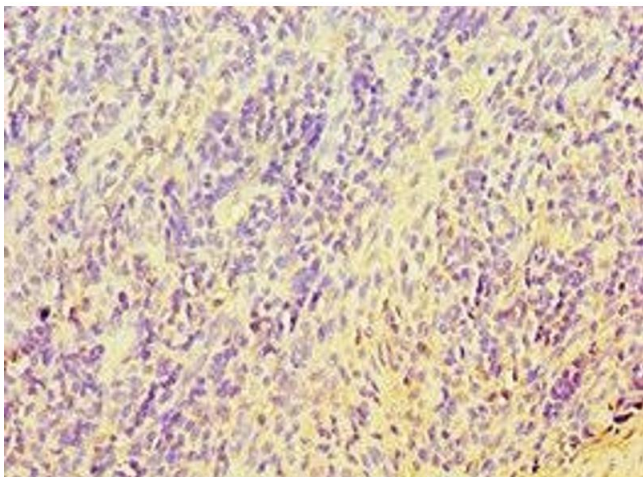
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



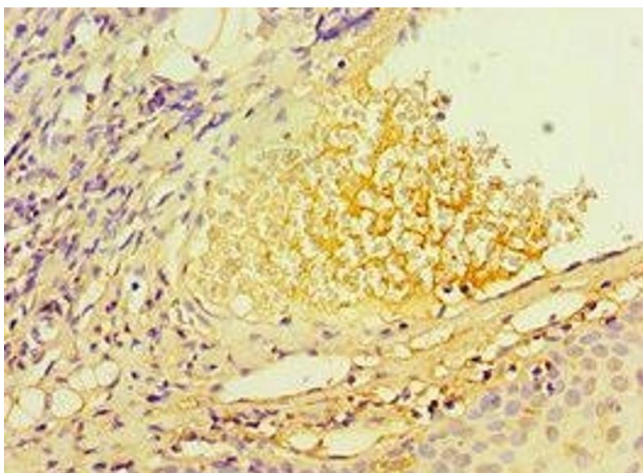
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7171737 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7171737 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human blood plasma tissue using ABIN7171737 at dilution of 1:100