

Datasheet for ABIN7091720
anti-RAP1 antibody (AA 1-399)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	RAP1 (TERF2IP)
Binding Specificity:	AA 1-399
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human TE2IP between 1-399 amino acids.
Clone:	M7Y2
Predicted Reactivity:	Human

Target Details

Target:	RAP1 (TERF2IP)
Alternative Name:	TERF2IP (TERF2IP Products)
Background:	Synonyms: Dopamine receptor interacting protein 5, Dopamine receptor-interacting protein 5, DRIP 5, DRIP5, hRap1, MGC105533, RAP 1, RAP1 homolog, RAP1, yeast, homolog of antibody Repressor/activator protein 1 homolog antibody TE2IP_HUMAN, Telomeric Repeat Binding Factor 2 Interacting Protein, Telomeric repeat-binding factor 2-interacting protein 1, TERF2-

Target Details

interacting protein, TERF2-interacting telomeric protein 1, TRF2 Interacting Telomeric Protein RAP1, TRF2 interacting telomeric RAP1 protein, TRF2-interacting telomeric protein 1, TRF2-interacting telomeric protein.

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 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.

Gene ID:	54386
UniProt:	Q9NYB0
Pathways:	Cell Division Cycle , Telomere Maintenance

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months