Datasheet for ABIN6989640

anti-KAP1 antibody (pSer824)

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Overview

Quantity:	100 µL
Target:	KAP1 (TRIM28)
Binding Specificity:	pSer824
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This KAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

Product Details

Immunogen:	Synthetic phospho Peptide corresponding to a region surrounding Serine 824 of Human KAP1
Clone:	5F7
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	KAP1 (TRIM28)
Alternative Name:	KAP1 (TRIM28 Products)

Target Details

Background:	Synonyms: E3 SUMO protein ligase TRIM28 antibody, E3 SUMO-protein ligase TRIM28 antibody, FLJ29029 antibody, KAP 1 antibody, KAP-1 antibody, KRAB associated protein 1 antibody, KRAB interacting protein 1 antibody, KRAB-associated protein 1 antibody, KRAB-interacting protein 1 antibody, KRIP 1 antibody, KRIP-1 antibody, KRIP1 antibody, Nuclear corepressor KAP 1 antibody, Nuclear corepressor KAP-1 antibody, RING finger protein 96 antibody, RNF96 antibody, TF1B antibody, TIF1 beta antibody, TIF1-beta antibody, TIF1B antibody, TIF1B_HUMAN antibody, Transcription intermediary factor 1 beta antibody, Transcription intermediary factor 1-beta antibody, Trim28 antibody, Tripartite motif containing 28 antibody, tripartite motif containing protein 28 antibody, Tripartite motif-containing protein 28 antibody Background: The KRAB (Kruppel Associated Box) domain is minimally about 45 amino acids in length and is a transcriptional repression domain found in numerous transcription factors. Over 220 KRAB zinc finger protein (KRAB ZFP) genes have been identified in the human genome. These proteins functionally repress transcription via specific interactions with KAP1 (KRAB Associated Protein 1). KAP1 is an 835 amino acid polypeptide that contains a RING finger, B boxes, and a PHD finger. KAP1 has been shown to form complexes with KRAB domain transcription factors and increase the efficiency with which they mediate repression. KAP1 has also been shown to directly interact with HP1 (heterochromatin protein 1) and KRAZ1 (Kruppel associated box containing zinc finger protein 1). KAP1 directly targets KRAZ1 to the foci of centromeric heterochromatin containing HP1alpha, helping to regulate transcriptional repression. Recent studies have shown that KAP1 mutants with the ability to bind KRAB but unable to bind HP1 leads to random distribution of KRAZ1 and strong transcriptional activation.
Gene ID:	10155
UniProt:	Q13263
Pathways:	Hedgehog Signaling, Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IP(1-2 µg) dot-blot()
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

