

KAP1 Polyclonal Antibody | anti-KAP1 antibody

Anti-KAP1 Antibody

CATALOG # AAA46262	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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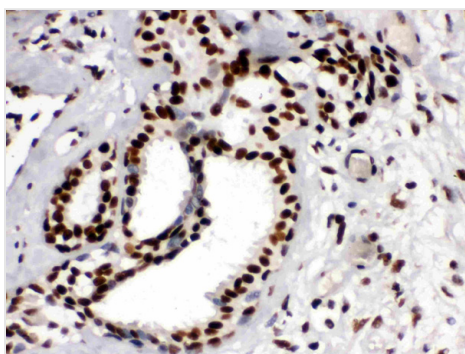
PRODUCT SYNONYMS

KAP1; Polyclonal Antibody; Anti-KAP1 Antibody; Transcription intermediary factor 1-beta; E3 SUMO protein ligase TRIM28; E3 SUMO-protein ligase TRIM28; FLJ29029; KAP 1; KAP-1; KRAB associated protein 1; KRAB interacting protein 1; KRAB-associated protein 1; KRAB-interacting protein 1; KRIP 1; KRIP-1; KRIP1; Nuclear corepressor KAP 1; Nuclear corepressor KAP-1; RING finger protein 96; RNF96; TF1B; TIF1 beta; TIF1-beta; TIF1B; TIF1B_HUMAN; Transcription intermediary factor 1 beta; Trim28; Tripartite motif containing 28; tripartite motif containing protein 28; Tripartite motif-containing protein 28; tripartite motif containing 28; anti-KAP1 antibody

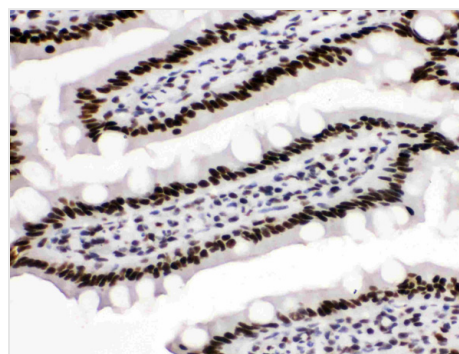
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	835
Applicable Applications for anti-KAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human KAP1 recombinant protein (Position: A699-P835). Human KAP1 shares 94.9% amino acid (aa) sequence identity with both mouse and rat KAP1.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

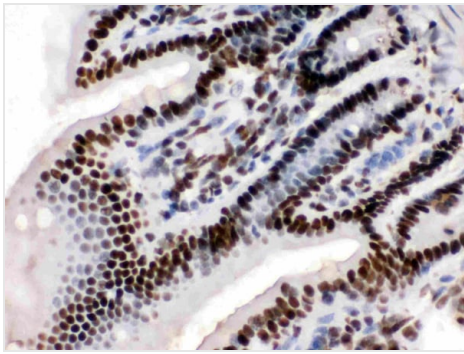
IMAGES


IHC (Immunohistochemistry)

Anti-KAP1 Picoband antibody, AAA46262, IHC(P)IHC(P): Human Mammary Cancer Tissue

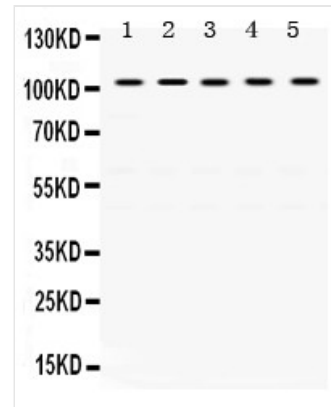

IHC (Immunohistochemistry)

Anti-KAP1 Picoband antibody, AAA46262, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)

Anti-KAP1 Picoband antibody, AAA46262, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)

Anti-KAP1 Picoband antibody, AAA46262, Western blottingAll lanes: Anti KAP1 (AAA46262) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Rat Ovary Tissue Lysate at 50ugLane 3: SKOV Whole Cell Lysate at 40ugLane 4: COLO320 Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugPredicted bind size: 105KDObserved bind size: 105KD

ADDITIONAL INFORMATION

Related Product Information for anti-KAP1 antibody	Description: Rabbit IgG polyclonal antibody for Transcription intermediary factor 1-beta(TRIM28) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Tripartite motif-containing 28 (TRIM28), also known as transcriptional intermediary factor 1beta (TIF1beta) and KAP1 (KRAB-associated protein-1), is a protein that in humans is encoded by the TRIM28 gene. The protein encoded by this gene mediates transcriptional control by interaction with the Kruppel-associated box repression domain found in many transcription factors. The protein localizes to the nucleus and is thought to associate with specific chromatin regions. KAP1 is a ubiquitously expressed protein involved in many critical functions including: transcriptional regulation, cellular differentiation and proliferation, DNA damage repair, viral suppression, and apoptosis. Its functionality is dependent upon post-translational modifications. Phosphorylation of KAP1 acts as a deactivator of the protein in many of its mechanisms while sumoylation acts as an activator.
References	1. Capili AD, Schultz DC, RauscherIII FJ, Borden KL (Jan 2001). "Solution structure of the PHD domain from the KAP-1 corepressor: structural determinants for PHD, RING and LIM zinc-binding domains". The EMBO Journal 20 (1-2): 165-77. 2. Iyengar, Sushma; Farnham, Peggy (2011-07-29). "KAP1 Protein: An Enigmatic Master Regulator of the Genome". The Journal of Biological Chemistry 286. 3. Reymond A, Meroni G, Fantozzi A, Merla G, Cairo S, Luzi L, Riganelli D, Zanaria E, Messali S, Cainarca S, Guffanti A, Minucci S, Pelicci PG, Ballabio A (May 2001). "The tripartite motif family identifies cell compartments". The EMBO Journal 20 (9): 2140-51.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032179
NCBI GeneID	10155
NCBI Accession #	NP_005753.1
NCBI GenBank Nucleotide #	NM_005762.2
UniProt Accession #	Q13263; O00677; Q7Z632; Q93040; Q96IM1
Molecular Weight	79,474 Da
NCBI Official Full Name	transcription intermediary factor 1-beta
NCBI Official Synonym Full Names	tripartite motif containing 28
NCBI Official Symbol	TRIM28
NCBI Official Synonym Symbols	KAP1; TF1B; RNF96; TIF1B; PPP1R157
NCBI Protein Information	transcription intermediary factor 1-beta

UniProt Protein Name	Transcription intermediary factor 1-beta
UniProt Gene Name	TRIM28
UniProt Synonym Gene Names	KAP1; RNF96; TIF1B; TIF1-beta; KAP-1; KRIP-1
UniProt Entry Name	TIF1B_HUMAN

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/kap1-antibody-immunohistochemistry-western-blot-elisa/46262>