

Datasheet for ABIN3043491  
**anti-KAP1 antibody (AA 699-835)**



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	KAP1 (TRIM28)
Binding Specificity:	AA 699-835
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Transcription intermediary factor 1-beta(TRIM28) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Transcription intermediary factor 1-beta(TRIM28) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: tripartite motif containing 28 Protein Name: Transcription intermediary factor 1-beta
Purification:	Immunogen affinity purified.

## Target Details

---

Target: KAP1 (TRIM28)

Alternative Name: TRIM28 ([TRIM28 Products](#))

Background: Tripartite motif-containing 28 (TRIM28), also known as transcriptional intermediary factor 1 $\beta$  (TIF1 $\beta$ ) 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.

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|TIF1B 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

Gene ID: 10155

UniProt: [Q13263](#)

Pathways: [Hedgehog Signaling](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

---

Application Notes: WB: Concentration: 0.1-0.5  $\mu$ g/mL, Tested Species: Human, Rat  
IHC-P: Concentration: 0.5-1  $\mu$ g/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested.

## Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

Preservative: Sodium azide

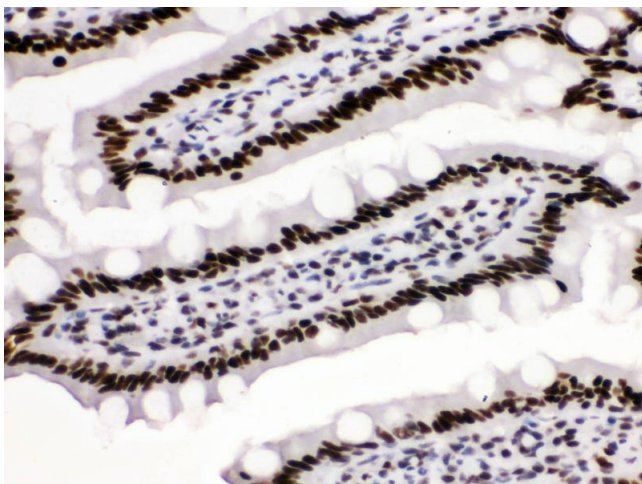
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

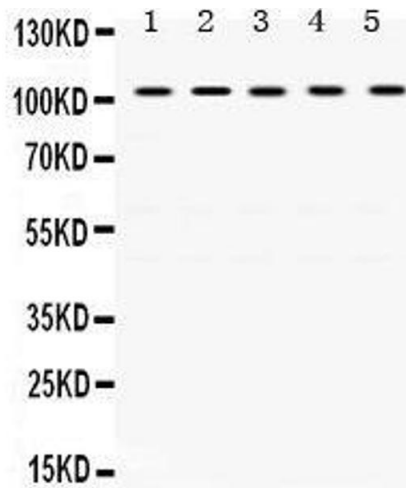
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



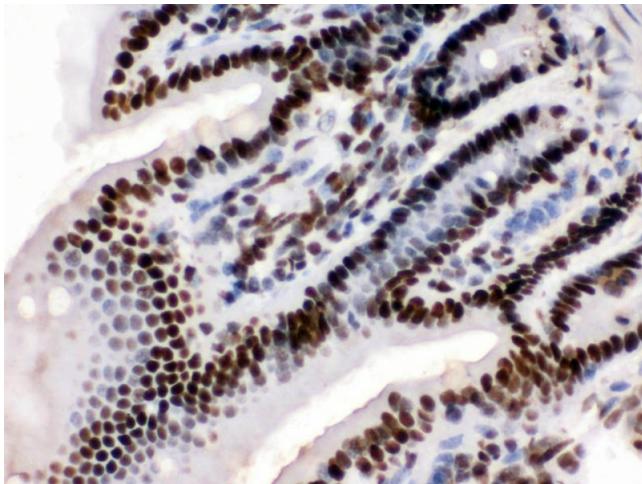
### Immunohistochemistry

**Image 1.** Anti-KAP1 Picoband antibody, IHC(P) IHC(P): Rat Intestine Tissue



### Western Blotting

Image 2.



### Immunohistochemistry

Image 3. Anti-KAP1 Picoband antibody, IHC(P) IHC(P):  
Mouse Intestine Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043491.