

## Product datasheet for **CF813317**

### **KAP1 (TRIM28) Mouse Monoclonal Antibody [Clone ID: OTI8B12]**

#### **Product data:**

|                                |  |
|--------------------------------|--|
| <b>Product Type:</b>           | Primary Antibodies   |
| <b>Clone Name:</b>             | OTI8B12  |
| <b>Applications:</b>           | IF, IHC, WB  |
| <b>Recommended Dilution:</b>   | WB 1:500, IHC 1:500, IF 1:100  |
| <b>Reactivity:</b>             | Human, Mouse, Rat  |
| <b>Host:</b>                   | Mouse  |
| <b>Isotype:</b>                | IgG1   |
| <b>Clonality:</b>              | Monoclonal   |
| <b>Immunogen:</b>              | Full length human recombinant protein of human TRIM28 (NP_005753) produced in HEK293T cell.  |
| <b>Formulation:</b>            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)  |
| <b>Reconstitution Method:</b>  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| <b>Purification:</b>           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| <b>Conjugation:</b>            | Unconjugated   |
| <b>Storage:</b>                | Store at -20°C as received.  |
| <b>Stability:</b>              | Stable for 12 months from date of receipt.   |
| <b>Predicted Protein Size:</b> | 88.4 kDa   |
| <b>Gene Name:</b>              | tripartite motif containing 28   |
| <b>Database Link:</b>          | <a href="#">NP_005753</a><br><a href="#">Entrez Gene 21849 Mouse</a> <a href="#">Entrez Gene 116698 Rat</a> <a href="#">Entrez Gene 10155 Human</a><br><a href="#">Q13263</a>  |



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**Background:**

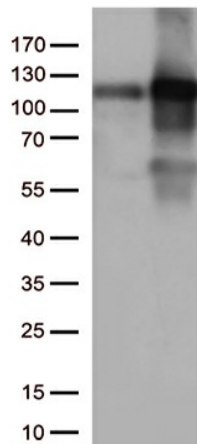
The protein encoded by this gene mediates transcriptional control by interaction with the Kruppel-associated box repression domain found in many transcription factors. The protein localizes to the nucleus and is thought to associate with specific chromatin regions. The protein is a member of the tripartite motif family. This tripartite motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. [provided by RefSeq, Jul 2008]

**Synonyms:**

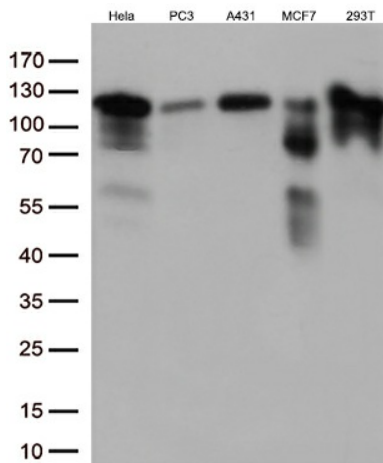
KAP1; PPP1R157; RNF96; TF1B; TIF1B

**Protein Families:**

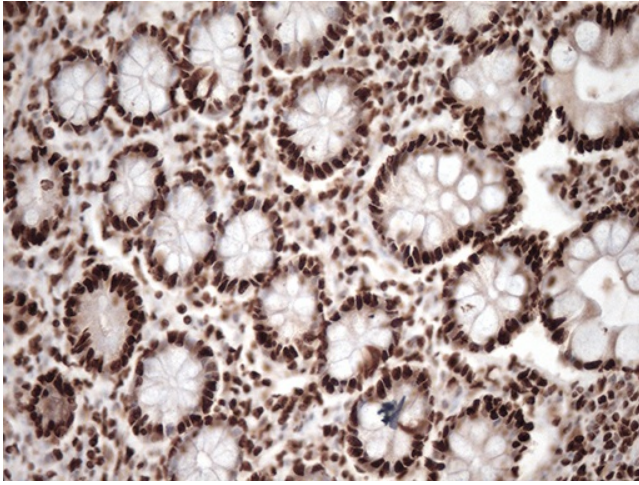
Protein Kinase, Stem cell - Pluripotency, Transcription Factors

**Product images:**


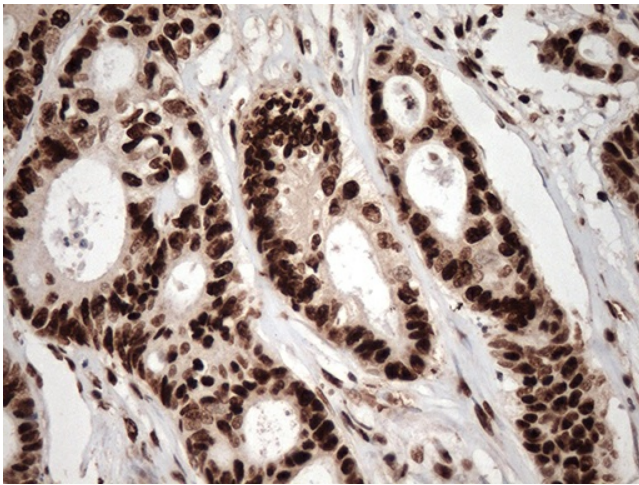
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TRIM28 ([RC201205], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRIM28 (1:500).



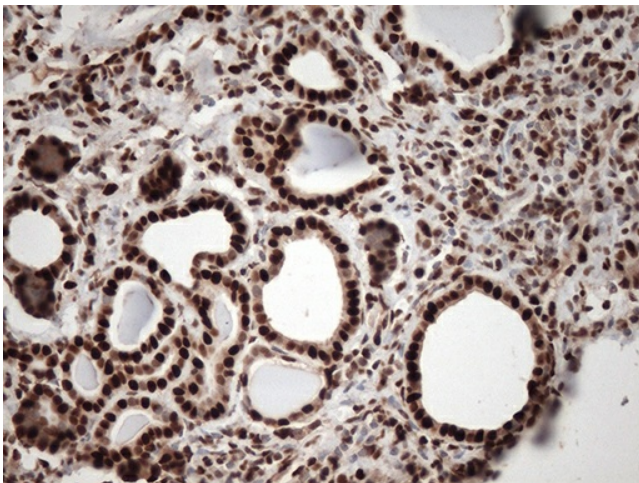
Western blot analysis of extracts (35ug) from 5 different cell lines by using anti-TRIM28 monoclonal antibody (1:500).



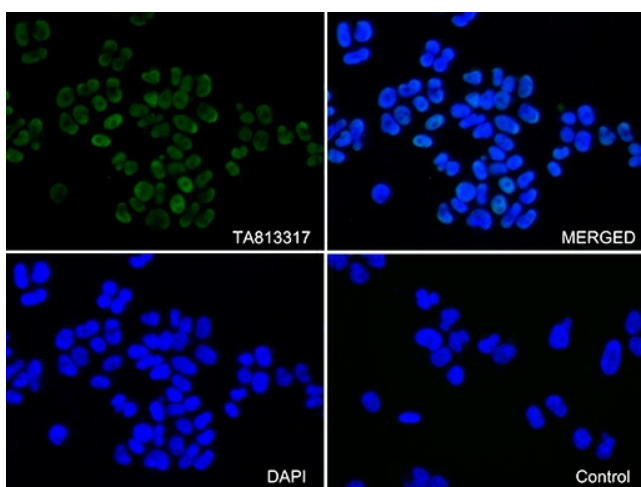
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-TRIM28 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-TRIM28 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-TRIM28 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunofluorescent staining of HEK293T cells using anti-TRIM28 antibody ([TA813317]/green, upper left; DAPI/blue, lower left; MERGED, upper right) or Isotype control (MERGED, lower right) (1:100).