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**Research Use Only. Not for diagnostic or therapeutic use.**

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB05810 - Goat Anti-KAP1 / TRIM28 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** tripartite motif-containing 28 protein, KRAB-associated protein 1, FLJ29029, transcriptional intermediary factor 1-beta, nuclear corepressor KAP-1, KRAB-associated protein 1, tripartite motif-containing 28, TIF1B, RNF96, TF1B, KAP1, TRIM28

**Official Symbol:** TRIM28

**Accession Number(s):** NP\_005753.1

**Human GeneID(s):** [10155](#)

### Immunogen

Peptide with sequence C-SSQELSGGPGDGP, from the C Terminus of the protein sequence according to NP\_005753.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

**Western blot:** Approx 100-120kDa band seen in HepG2 lysate. Recommended for use at 0.2-1µg/ml (Predicted MW approx 92kDa according to NP\_005753).

**IHC:** In paraffin embedded Human Breast shows nuclear staining in ductal epithelial cells. Recommended concentration, 2-5µg/ml. This product has been successfully used on Human gastric cancer surgical specimens: Yokoe et al, Ann Surg Oncol. 2010 Mar;17(3):821-8. (PMID: 19898899). Recommended concentration: 5µg/ml.

**Immunofluorescence:** Successfully used on mouse embryo at the late zygote stage, 5µg/ml (personal communication).

**Chromatin immunoprecipitation:** This antibody has been successfully used in ChIP for K562 cells as described in the following paper: Frieze et al, PLoS One. 2010 Dec 8;5(12):e15082.; PMID: 21170338.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse

### Specific References

**The goat polyclonal antibody used in the following papers was manufactured by us:**

Frieze S, O'Geen H, Blahnik KR, Jin VX, Farnham PJ.

ZNF274 recruits the histone methyltransferase SETDB1 to the 3' ends of ZNF genes.

PLoS One. 2010 Dec 8;5(12):e15082.

**PMID:** 21170338

Yokoe T, Toiyama Y, Okugawa Y, Tanaka K, Ohi M, Inoue Y, Mohri Y, Miki C, Kusunoki M.

KAP1 Is Associated With Peritoneal Carcinomatosis in Gastric Cancer.

Ann Surg Oncol. 2010 Mar;17(3):821-8.

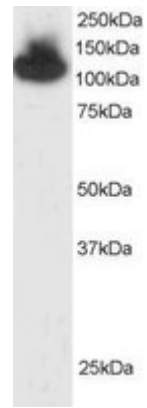
**PMID:** 19898899

Torres-Padilla ME, Zernicka-Goetz M.

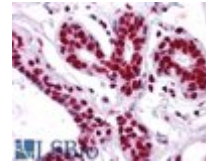
Role of TIF1alpha as a modulator of embryonic transcription in the mouse zygote.

J Cell Biol. 2006 Jul 31;174(3):329-38.

**PMID:** 16880268



EB05810 staining (0.5 $\mu$ g/ml) of HepG2 lysate (RIPA buffer, 30 $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



EB05810 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Breast Steamed antigen retrieval with citrate buffer pH 6, AP-staining.