

**Goat Anti-PEBP1 / RKIP (Internal) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1810a

**Specification**

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**Goat Anti-PEBP1 / RKIP (Internal) Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P30086</a>
Other Accession	<a href="#">NP_002558</a> , <a href="#">5037</a> , <a href="#">23980 (mouse)</a> , <a href="#">29542 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	21057

**Goat Anti-PEBP1 / RKIP (Internal) Antibody - Additional Information**

Gene ID 5037

**Other Names**

Phosphatidylethanolamine-binding protein 1, PEBP-1, HCNPpp, Neuropeptide h3, Prostatic-binding protein, Raf kinase inhibitor protein, RKIP, Hippocampal cholinergic neurostimulating peptide, HCNP, PEBP1, PBP, PEBP

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-PEBP1 / RKIP (Internal) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-PEBP1 / RKIP (Internal) Antibody - Protein Information**

**Name** PEBP1

**Synonyms** PBP, PEBP

**Function**

Binds ATP, opioids and phosphatidylethanolamine. Has lower affinity for phosphatidylinositol and phosphatidylcholine. Serine protease inhibitor which inhibits thrombin, neuropsin and

chymotrypsin but not trypsin, tissue type plasminogen activator and elastase (By similarity). Inhibits the kinase activity of RAF1 by inhibiting its activation and by dissociating the RAF1/MEK complex and acting as a competitive inhibitor of MEK phosphorylation.

#### Cellular Location

Cytoplasm.

#### Goat Anti-PEBP1 / RKIP (Internal) Antibody - Protocols

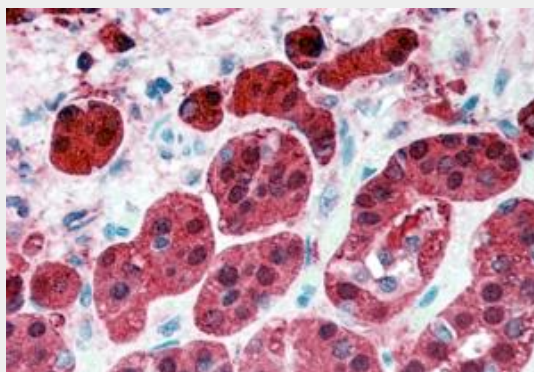
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Goat Anti-PEBP1 / RKIP (Internal) Antibody - Images



AF1810a (0.01  $\mu\text{g/ml}$ ) staining of Human Prostate lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1810a (2.5  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Adrenal Gland. Steamed antigen

retrieval with citrate buffer pH 6, AP-staining.

### **Goat Anti-PEBP1 / RKIP (Internal) Antibody - References**

Characterization of the Raf kinase inhibitory protein (RKIP) binding pocket: NMR-based screening identifies small-molecule ligands. Shemon AN, et al. PLoS One, 2010 May 5. PMID 20463977.

RKIP inhibits NF-kappaB in cancer cells by regulating upstream signaling components of the I-kappaB kinase complex. Tang H, et al. FEBS Lett, 2010 Feb 19. PMID 20043910.

Reduction of Raf kinase inhibitor protein expression by Bcr-Abl contributes to chronic myelogenous leukemia proliferation. Takemura T, et al. J Biol Chem, 2010 Feb 26. PMID 20028985.

Raf kinase inhibitor protein enhances neuronal differentiation in human SH-SY5Y cells. Hellmann J, et al. Dev Neurosci, 2010 Mar. PMID 19955695.

Loss of RKIP expression is associated with poor survival in GISTs. Martinho O, et al. Virchows Arch, 2009 Sep. PMID 19705153.