



# KLF8 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01840
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	KLF8
<b>Protein Name</b>	Krueppel-like factor 8
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KLF8. AA range:191-240
<b>Specificity</b>	KLF8 Polyclonal Antibody detects endogenous levels of KLF8 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	KLF8; BKLF3; ZNF741; Krueppel-like factor 8; Basic krueppel-like factor 3; Zinc finger protein 741
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Ubiquitous.
<b>Function</b>	function:Transcriptional repressor and activator. Binds to CACCC-boxes promoter elements. Also binds the GT-box of cyclin D1 promoter and mediates cell cycle progression at G(1) phase as a downstream target of focal adhesion kinase (FAK).,PTM:Sumoylation at Lys-67 represses transcriptional activity and reduces cell cycle progression into the G(1) phase. Has no effect on subcellular location.,similarity:Belongs to the Sp1 C2H2-type zinc-finger protein family.,similarity:Contains 3 C2H2-type zinc fingers.,subunit:Interacts with corepressor CtBP2. Interacts with PIAS1, PIAS2, AND PIAS4; the interaction with each ligase sumoylates KLF8.,tissue specificity:Ubiquitous.,
<b>Background</b>	This gene encodes a protein which is a member of the Sp/KLF family of transcription factors. Members of this family contain a C-terminal DNA-binding domain with three Kruppel-like zinc fingers. The encoded protein is thought to play an important role in the regulation of epithelial to mesenchymal transition, a process which occurs normally during development but also during metastasis. A



pseudogene has been identified on chromosome 16. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009],

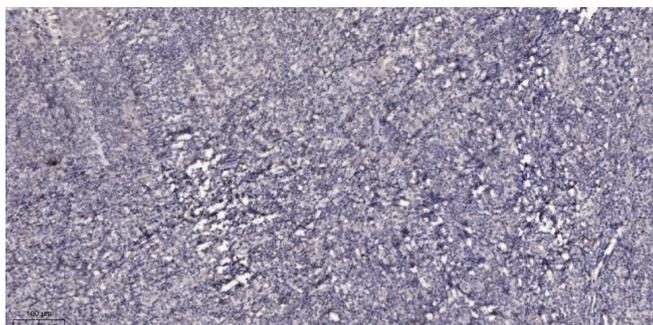
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).