

**KLF8 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58084****Specification**

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**KLF8 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">O95600</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KLF8
Epitope Specificity	261-317 /359
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the Sp1 C2H2-type zinc-finger protein family.Contains 3 C2H2-type zinc fingers.
SUBUNIT	Interacts with corepressor CtBP2. Interacts with PIAS1, PIAS2, AND PIAS4; the interaction with each ligase sumoylates KLF8.
Post-translational modifications	Sumoylation at Lys-67 represses transcriptional activity and reduces cell cycle progression into the G(1) phase. Has no effect on subcellular location.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

KLF8 is a transcriptional repressor and activator. It also binds the GT-box of cyclin D1 promoter and mediates cell cycle progression at G phase as a downstream target of focal adhesion kinase (FAK). Ubiquitously expressed. Kruppel-like factor proteins all contain a characteristic C-terminal DNA binding domain containing 3 Kruppel-like zinc fingers, and they all recognize CACCC and GC boxes present in promoters and enhancers.

**KLF8 Polyclonal Antibody - Additional Information****Gene ID** 11279**Other Names**

Krueppel-like factor 8, Basic krueppel-like factor 3, Zinc finger protein 741, KLF8, BKLF3, ZNF741

**Target/Specificity**

Ubiquitous.

**Dilution**

IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
E~~N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**KLF8 Polyclonal Antibody - Protein Information**

**Name** KLF8

**Synonyms** BKLF3, ZNF741

**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).

**Cellular Location**

Nucleus.

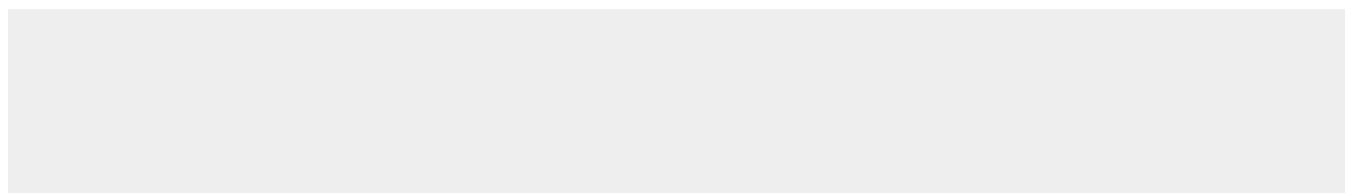
**Tissue Location**

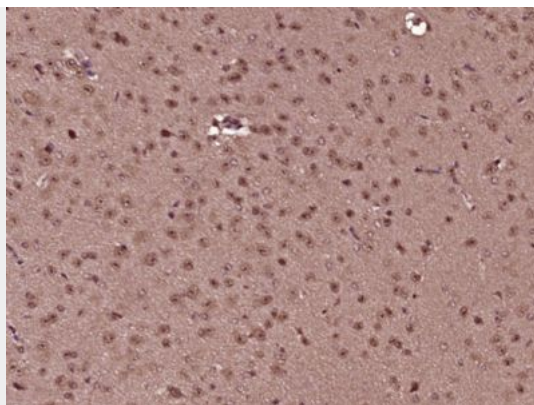
Ubiquitous..

**KLF8 Polyclonal 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](#)

**KLF8 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF8) Polyclonal Antibody, Unconjugated (bs-3649R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.