

KLF8 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58084

Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession 095600

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 39314
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human KLF8

Epitope Specificity 261-317 /359

Isotype IgG

Purity 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-translationalSumoylation at Lys-67 represses transcriptional activity and reduces cell cycle modifications
Important Note
Sumoylation at Lys-67 represses transcriptional activity and reduces cell cycle progression into the G(1) phase. Has no effect on subcellular location.
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.

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=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

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

Protein Information

Name KLF8

Synonyms BKLF3, ZNF741

Function Transcriptional repressor and activator. Binds to CACCC-boxes promoter

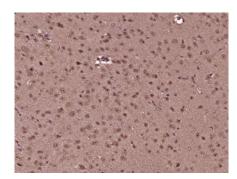
elements. Also binds the GT-box of cyclin D1 promoter and mediates cell cycle progression at G(1) phase as a downstream target of focal adhesion kinase

(FAK).

Cellular Location Nucleus.

Tissue Location Ubiquitous..

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 (AP58084) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.