

### **KLF16 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56388

### **Specification**

### **KLF16 Polyclonal Antibody - Product Information**

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

Primary Accession <u>Q9BXK1</u>

Reactivity Rat, Pig, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 26 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human KLF16

Epitope Specificity 101-200/252

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.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

### **Background Descriptions**

KLF16 is a 252 amino acid protein that contains three C2H2-type zinc fingers and belongs to the KLF transcription factor family. Localized to the nucleus and expressed at high levels in brain , KLF16 functions as a transcription factor that binds specifically to GT and GC boxes, displacing the transcription factors Sp1 and Sp3 and effectively modulating dopaminergic transmission in the brain.

### **KLF16 Polyclonal Antibody - Additional Information**

## **Gene ID 83855**

## **Other Names**

Krueppel-like factor 16, Basic transcription element-binding protein 4, BTE-binding protein 4, Novel Sp1-like zinc finger transcription factor 2, Transcription factor BTEB4, Transcription factor NSLP2, KLF16, BTEB4, NSLP2

#### **Dilution**

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>

="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class



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="dilution IF">IF $\sim$ 1:50 $\sim$ 200</span><br/>span class ="dilution ICC">ICC $\sim$ N/A</span><br/>br \><span class ="dilution E">E~~N/A</span>

## 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.

## **KLF16 Polyclonal Antibody - Protein Information**

Name KLF16

Synonyms BTEB4, NSLP2

#### **Function**

Transcription factor that binds GC and GT boxes and displaces Sp1 and Sp3 from these sequences. Modulates dopaminergic transmission in the brain (By similarity).

## **Cellular Location**

Nucleus.

# **KLF16 Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **KLF16 Polyclonal Antibody - Images**