

## **KXD1** Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55287

# **Specification**

## **KXD1 Polyclonal Antibody - Product Information**

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

Primary Accession <u>Q9BQD3</u>

Reactivity
Host
Rat, Pig, Bovine
Rabbit
Rabbit

Clonality Polyclonal Calculated MW 20 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human C19orf50

laG

Epitope Specificity 51-150/176

Isotype Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.
SIMILARITY Belongs to the KXD1 family.

Important Note

This product as supplied is intended for

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

### **Background Descriptions**

affinity purified by Protein A

C19orf50 is a 179 amino acid protein that is encoded by a gene located on human chromosome 19. Chromosome 19 consists of approximately 63 million bases and makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fca receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3.

# **KXD1** Polyclonal Antibody - Additional Information

### **Gene ID** 79036

#### **Other Names**

KxDL motif-containing protein 1, KXD1, C19orf50

#### **Dilution**

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

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

="dilution IF">IF~~1:50~200</span><br/>span class = "dilution ICC">ICC~~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.

# **KXD1 Polyclonal Antibody - Protein Information**

Name KXD1

Synonyms C19orf50

### **Function**

As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor (PubMed:<a href="http://www.uniprot.org/citations/25898167" target="\_blank">25898167</a>). May be involved in the biogenesis of lysosome- related organelles such as melanosomes (By similarity).

#### **Cellular Location**

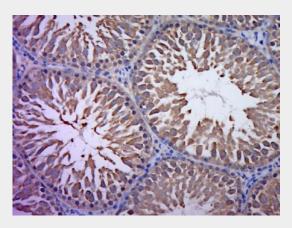
Lysosome membrane.

# **KXD1 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 Cytomety
- Cell Culture

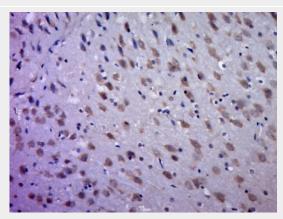
# **KXD1 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (Rat testis); 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 (Chromosome 19 open reading frame 50; C19orf50) Polyclonal Antibody, Unconjugated (bs-13786R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat 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 (Chromosome 19 open reading frame 50; C19orf50) Polyclonal Antibody, Unconjugated (bs-13786R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.