# **SHANK2 Rabbit pAb**

Catalog No.: A18423



## **Basic Information**

#### **Observed MW**

159kDa

#### **Calculated MW**

201kDa

#### Category

Polyclonal Antibody

#### **Applications**

WB,IF/ICC,ELISA

## **Cross-Reactivity**

Human, Mouse, Rat

# **Background**

This gene encodes a protein that is a member of the Shank family of synaptic proteins that may function as molecular scaffolds in the postsynaptic density of excitatory synapses. Shank proteins contain multiple domains for protein-protein interaction, including ankyrin repeats, and an SH3 domain. This particular family member contains a PDZ domain, a consensus sequence for cortactin SH3 domain-binding peptides and a sterile alpha motif. The alternative splicing demonstrated in Shank genes has been suggested as a mechanism for regulating the molecular structure of Shank and the spectrum of Shank-interacting proteins in the postsynaptic densities of the adult and developing brain. Alterations in the encoded protein may be associated with susceptibility to autism spectrum disorder. Alternative splicing results in multiple transcript variants.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting

concentration is 1 µg/mL. Please optimize the concentration based on your specific

assay requirements.

# **Immunogen Information**

**Gene ID**22941

Swiss Prot
Q9UPX8

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

#### **Synonyms**

SHANK; AUTS17; CORTBP1; CTTNBP1; ProSAP1; SPANK-3; SHANK2

## **Contact**

www.abclonal.com

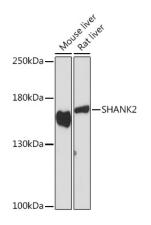
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

# Validation Data



Western blot analysis of various lysates using SHANK2 Rabbit pAb (A18423) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 300s.