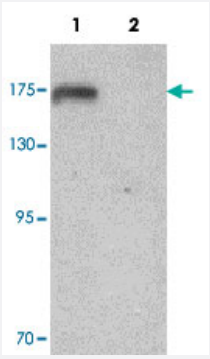
SHANK3 polyclonal antibody

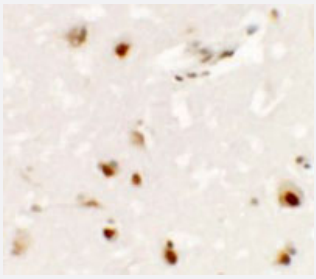
Catalog # PAB25490 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of NIH/3T3 cell lysate with SHANK3 polyclonal antibody (Cat # PAB25490) at 1 ug/mL in (1) the absence and (2) the presence of blocking peptide.



Immunohistochemistry

Immunohistochemical anyalysis of human brain tissue with SHANK3 polyclonal antibody (Cat # PAB25490) at 2.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SHANK3.
Immunogen	A synthetic peptide corresponding to internal region of human SHANK3.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	At least three alternatively spliced transcript isoforms of SHANK3 are known to exist.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of NIH/3T3 cell lysate with SHANK3 polyclonal antibody (Cat # PAB25490) at 1 ug/mL in (1) the absence and (2) the presence of blocking peptide.

- Immunohistochemistry

  Immunohistochemical anyalysis of human brain tissue with SHANK3 polyclonal antibody (Cat # PAB25490) at 2.5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SHANK3

Entrez GeneID	85358
Protein Accession#	NP_001073889
Gene Name	SHANK3
Gene Alias	DEL22q13.3, KIAA1650, PROSAP2, PSAP2, SPANK-2
Gene Description	SH3 and multiple ankyrin repeat domains 3
Omim ID	606230 606232
Gene Ontology	Hyperlink

Gene Summary	This gene is a member of the Shank gene family. Shank proteins are multidomain scaffold proteins of the postsynaptic density that connect neurotransmitter receptors, ion channels, and other membrane proteins to the actin cytoskeleton and G-protein-coupled signaling pathways. Shank proteins also play a role in synapse formation and dendritic spine maturation. Mutations in this gene are a cause of autism spectrum disorder (ASD) which is characterized by impairments in social interaction and communication, and restricted behavioral patterns and interests. Mutations in this gene are a major causitive factor in the neurological symptoms of 22q13.3 deletion syndrome. Additional isoforms have been described for this gene but they have not yet been experimentally verified. [provided by RefSeq
Other Designations	proline rich synapse associated protein 2|proline-rich synapse-associated protein 2|shank postsynaptic density protein

Disease

- Alzheimer disease
- Autistic Disorder
- Chromosome Aberrations
- Cognition
- Disease Progression
- Genetic Predisposition to Disease
- Intelligence Tests
- Mental Retardation
- Neoplasm Invasiveness
- Neuropsychological Tests
- Prostatic Neoplasms
- Psychotic Disorders
- Schizophrenia
- Werner syndrome