

## Product datasheet for **TA320063**

### SHANK3 Rabbit Polyclonal Antibody

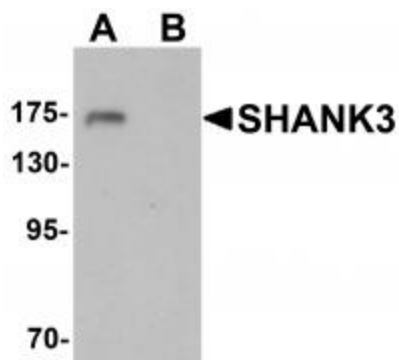
#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SHANK3 antibody was raised against a 19 amino acid synthetic peptide near the center of human SHANK3.
Formulation:	SHANK3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	SHANK3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	SH3 and multiple ankyrin repeat domains 3
Database Link:	<a href="#">NP_001073889</a> <a href="#">Entrez Gene 85358 Human</a> <a href="#">Q9BYB0</a>
Background:	SHANK3 Antibody: SH3 and multiple ankyrin repeat domains 3 (SHANK3), a member of the Shank gene family, plays a role in synapse formation and dendritic spine maturation. Shank proteins (Shank 1-3) containing PDZ domains are scaffold proteins of the postsynaptic density (PSD) that connect neurotransmitter receptors and ion channels proteins to the actin cytoskeleton and G-protein-coupled signaling pathways. Transcript splice variation in the Shank family influences the spectrum of Shank-interacting proteins in the PSDs of adult and developing brain to ensure normal development. Mutations of SHANK3 are a cause of autism spectrum disorder (ASD) and the neurological symptoms of 22q13.3 deletion syndrome.
Synonyms:	DEL22q13.3; PROSAP2; PSAP2; SCZD15; SPANK-2

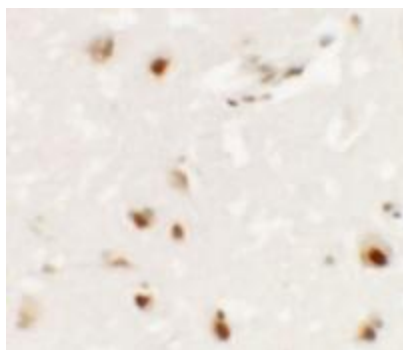


[View online »](#)

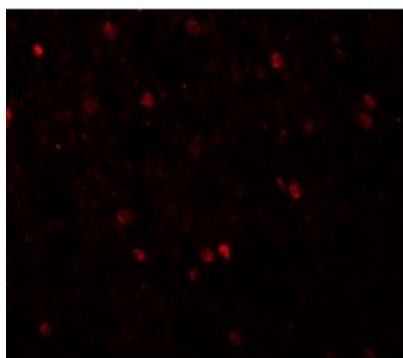
## Product images:



Western blot analysis of SHANK3 in 3T3 cell lysate with SHANK3 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of SHANK3 in human brain tissue with SHANK3 antibody at 2.5 ug/mL.



Immunofluorescence of SHANK3 in human brain tissue with SHANK3 antibody at 20 ug/mL.