

## Product datasheet for **TA326582**

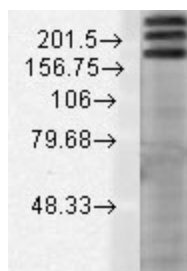
### Shank1 Mouse Monoclonal Antibody [Clone ID: S22-21]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	S22-21
Applications:	WB
Recommended Dilution:	WB: 1-10ug/ml, IHC: 0.1-1.0ug/ml, IF: 1.0-10ug/ml
Reactivity:	Mouse, Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 469-691 (SH3/PDZ domains) of rat Shank1
Formulation:	PBS pH7.4, 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
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 1
Database Link:	<a href="#">NP_113939</a> <a href="#">Entrez Gene 50944 HumanEntrez Gene 243961 MouseEntrez Gene 78957 Rat Q9WV48</a>
Background:	Shank proteins make up a family of scaffold proteins identified through their interaction with a variety of membrane and cytoplasmic proteins . Shank1 specifically might be relevant to human autism spectrum disorders, due to its differential role in specific cognitive processes, along with its importance for synapse structure and function in vivo .
Synonyms:	SPANK-1; SSTRIP; synamon
Note:	Detects ~190-220 kDa (alternative splice variants). No cross-reactivity against Shank2 or Shank3.



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**Product images:**

Western blot analysis of Shank1 in rat brain membrane lysates using a 1:1000 dilution of the antibody