

## Product datasheet for **TA358613**

### SHANK2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Human, Mouse, Rat <b>Homology:</b> Cow: 86%; Dog: 79%; Guinea Pig: 86%; Human: 100%; Mouse: 77%; Rat: 93%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	126kDa
Gene Name:	SH3 and multiple ankyrin repeat domains 2
Database Link:	<a href="#">NP_036441</a> <a href="#">Entrez Gene 22941 Human</a> <a href="#">Q9UPX8</a>



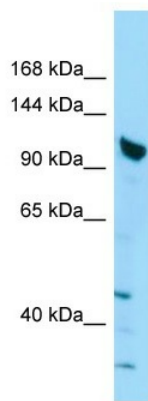
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**Background:**

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 (PSD). Shank proteins contain multiple domains for protein-protein interaction, including ankyrin repeats, an SH3 domain, a PSD-95/Dlg/ZO-1 domain, a sterile alpha motif domain, and a proline-rich region. 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 PSDs of adult and developing brain. Two alternative splice variants, encoding distinct isoforms, are reported. Additional splice variants exist but their full-length nature has not been determined.

**Synonyms:**

CORTBP1; CTTNBP1; KIAA1022; ProSAP1; SHANK; SPANK-3

**Product images:**

WB Suggested Anti-SHANK2 Antibody  
Titration: 1.0 ug/ml  
Positive Control: ACHN Whole Cell