



# Anti-SHANK1 (aa 2100-2161) polyclonal antibody (DPABH-04213)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Seems to be an adapter protein in the postsynaptic density (PSD) of excitatory synapses that interconnects receptors of the postsynaptic membrane including NMDA-type and metabotropic glutamate receptors via complexes with GKAP/PSD-95 and Homer, respectively, and the actin-based cytoskeleton. Plays a role in the structural and functional organization of the dendritic spine and synaptic junction.
<b>Immunogen</b>	Synthetic peptide corresponding to a region within amino acids 2100 and 2161 of Human SHANK1 (Q9Y566)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Constituents: 0.75% Glycine, 1.21% Tris, 10% Glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">SHANK1 SH3 and multiple ankyrin repeat domains 1 [ Homo sapiens ]</a>
Official Symbol	SHANK1
Synonyms	SHANK1; SH3 and multiple ankyrin repeat domains 1; SH3 and multiple ankyrin repeat domains protein 1; somatostatin receptor interacting protein; SPANK 1; SSTRIP; synamon; SSTR-interacting protein; somatostatin receptor-interacting protein; SPANK-1;
Entrez Gene ID	<a href="#">50944</a>
Protein Refseq	<a href="#">NP_057232</a>
UniProt ID	<a href="#">Q9Y566</a>
Chromosome Location	19q13.3
Pathway	Glutamatergic synapse;
Function	GKAP/Homer scaffold activity; SH3 domain binding; ankyrin repeat binding; identical protein binding; ionotropic glutamate receptor binding; protein C-terminus binding; protein binding