

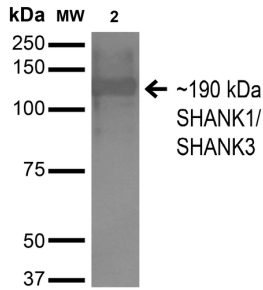
## Anti-SHANK3 Antibody [S367-51] (A304719)

### Specifications:

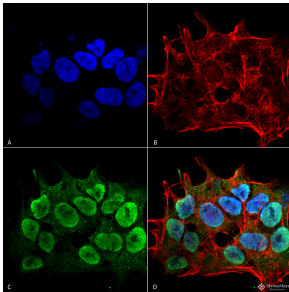
Name:	Anti-SHANK3 Antibody [S367-51]
Description:	Mouse monoclonal [S367-51] antibody to SHANK3.
Applications:	WB, IHC, ICC/IF
Recommended Dilutions:	WB: 1:1,000, ICC/IF: 1:100
Reactivity:	Human, Mouse, Rat
Cross Reactivity:	This antibody cross-reacts with SHANK1 but does not cross-react with SHANK2.
Immunogen:	Fusion protein amino acids 538-626 (SH3 domain) of rat SHANK3. Mouse: 100% identity (89/89 amino acids identical). Human: 97% identity (87/89 amino acids identical). ~70% identity with SHANK1 and SHANK2..
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	S367-51
Isotype:	IgG2a
Conjugate:	Unconjugated
Purification:	Protein G purification.
Concentration:	1 mg/ml
Molecular Weight:	~190 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.1% Sodium Azide
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Anti-SHANK3 Antibody [S367-51] (A304719)

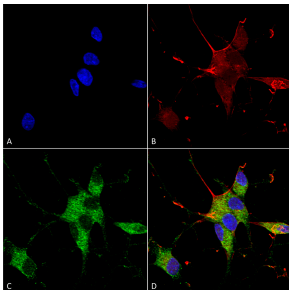
### Images:



Western blot analysis of Monkey COS cells transfected with HA-tagged Shank1 showing detection of ~190 kDa SHANK1/SHANK3 protein using Anti-SHANK3 Antibody [S367-51] (A304719) at 1:200 for 16 hours at 4°C. Lane 1: Molecular Weight Ladder. Lane 2: Monkey COS cells transfected with HA-tagged Shank1. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. The secondary antibody used was Goat Anti-Mouse IgG: HRP at 1:1,000 for 1 hour room temperature. Color Development: ECL solution for 6 min in room temperature. Predicted/Observed Size: ~190 kDa.



Immunocytochemistry/Immunofluorescence analysis of human neuroblastoma cell line (SK-N-BE, fixed in 4% formaldehyde for 15 min at room temperature, using Anti-SHANK3 Antibody [S367-51] (A304719), at 1:100 for 60 minutes at room temperature. The secondary antibody used was Goat Anti-Mouse ATTO 488 at 1:100 for 60 minutes at room temperature. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5,000 for 60 minutes room temperature, 5 minutes room temperature. Localization: Cytoplasm, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) SHANK1/SHANK3 Antibody. (D) Composite.



Immunocytochemistry/Immunofluorescence analysis of human neuroblastoma cells (SH-SY5Y), fixed in 4% PFA for 15 min, using Anti-SHANK3 Antibody [S367-51] (A304719), at 1:100 for overnight at 4°C with slow rocking. The secondary antibody used was AlexaFluor 488 at 1:1,000 for 1 hour at room temperature. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 minutes at room temperature. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) SHANK1/SHANK3 Antibody (D) Composite.