

# AB-NN224-2

## TARP Gamma2/Stargazin Antibody

Pan-specific monoclonal antibody (S245-1) for monitoring the expression of rat TARP Gamma2/Stargazin



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### Target Protein

<b>Name Long:</b>	Voltage-dependent calcium channel gamma-2 subunit (TARP Gamma2/Stargazin)
<b>Alias:</b>	CACNG2, Calcium channel voltage dependent gamma subunit 2, CaV gamma 2, lpr328, MGC123981, MGC138502, MGC138504, Voltage-dependent calcium channel gamma-2 subunit, Neuronal voltage-gated calcium channel gamma-2 subunit, Stargazin, Stg, Stargazer, TARP, TARP gamma-2, Transmembrane AMPAR regulatory protein gamma-2, AW060990, B230105C07Rik, B930041E13Rik, Wag, Waggler
<b>UniProt ID:</b>	Q71RJ2 - Rat
<b>Human Predicted Mass (KDa):</b>	35.966 (323 AA; Q9Y698-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	36

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 203-323 (Cytoplasmic C-terminus) of rat TARPGamma2
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	190 IgG2A
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-421 was sufficient for detection of TARP Gamma2/ Stargazin in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody
<b>Target Detection Immunoblotting:</b>	Detects a ~36 kDa protein.
<b>Antibody Cross Reactivities:</b>	Does not cross-react with TARPGamma3, TARPGamma4 and TARPGamma8.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-888-546-3987