

# AB-NN225-1

## Cav1.2 Antibody

Pan-specific monoclonal antibody (S57-46) for monitoring the expression of RabbitCav1.2



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Voltage-dependent L-type calcium channel subunit (Cav 1.2)
<b>Alias:</b>	CACH3, CACN4, CACNA 1D, CACNL1A2, voltage dependent L type calcium channel subunit alpha 1D, alpha-1 subunit voltage-dependent calcium channel, calcium channel voltage-dependent L type alpha 1C subunit1, voltage-gated calcium channel alpha subunit Cav1.2, calcium channel L type, alpha 1 polypeptide isoform 1 cardiac muscle, calcium channel cardiac dihydropyridine-sensitive alpha-1 subunit, DHPR alpha-1 subunit
<b>UniProt ID:</b>	P15381 - Rabbit
<b>Human Predicted Mass (KDa):</b>	252.091 (2251 AA; Q13936-34); 239.704 (2138 AA; Q13936-37); 243.633 (2173 AA; Q13936-36)
<b>Observed SDS-PAGE Mass (KDa):</b>	240

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 1507-1733 (intracellular carboxyl terminus) of rabbit Cav1.2
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	72 IgG1
<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, 0.1% 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   IHC   ICC/IF   IP
<b>Antibody Dilution Recommended:</b>	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat   Hamster
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-300 was sufficient for detection of Cav1.2 in 10 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 ~240 kDa protein (varies with cell background due to glycosylation).
<b>Antibody Specificity:</b>	Medium-High

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

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