

# AB-NN283-1

## Kv3.2 Antibody

Pan-specific monoclonal antibody (S410-17) for monitoring the expression of rat Kv3.2



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Potassium voltage-gated channel subfamily C member 2
<b>Alias:</b>	Potassium voltage-gated channel subfamily C member 2, Kcnc2, KSHIIIA
<b>UniProt ID:</b>	P22462 - Rat
<b>Human Predicted Mass (KDa):</b>	70.226 (638 AA; A0A024RBA5-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	80-100

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 474-613 (Cytoplasmic C-terminus) of rat Kv3.2a
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	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
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	A 1:100 dilution of SMC-492 was sufficient for detection of Kv3.2 in 20 µg of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	In mouse brain lysates, this antibody detects a ~80-100 kDa protein. Varies due to post-translational modifications.
<b>Antibody Specificity:</b>	Very High

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

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