

# AB-NN301-1

## Pannexin-2 Antibody

Pan-specific monoclonal antibody (S121A-31) for monitoring the expression of rat Pannexin-2



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Pannexin-2
<b>Alias:</b>	Pannexin 2, PANX2, PX2, hPANX2, MGC119432
<b>UniProt ID:</b>	P60571 - Rat
<b>Human Predicted Mass (kDa):</b>	74.447 (677 AA; Q96RD6-3); 70.641 (643 AA; Q96RD6-1); 55.733 (509 AA; Q96RD6-2)
<b>Observed SDS-PAGE Mass (kDa):</b>	70

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 11-664 (all but first 10 amino acids, encompassing extracellular and cytoplasmic domains) of rat Pannexin-2
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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, 0.09% 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   IHC
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-420 was sufficient for detection of Pannexin-2 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>	In mouse brain lysates, this antibody detects a ~70 kDa protein.
<b>Antibody Specificity:</b>	Very High
<b>Antibody Cross Reactivities:</b>	Does not cross-react with Pannexin-1 or Pannexin-3.

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