

# AB-NN371-1

## Alpha-2C Adrenergic Receptor Antibody

Pan-specific monoclonal antibody (S330A-51) for monitoring the expression of human Alpha-2C Adrenergic Receptor



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### Target Protein

<b>Name Long:</b>	Alpha-2C adrenergic receptor
<b>Alias:</b>	Adra 2c, Alpha-2CAR, ADRA2C, ADRA2L2, ADRARL2, Alpha 2CAR, alpha2 AR C4, alpha2 C4, alpha2C, ALPHA2CAR, Alpha-2 adrenergic receptor subtype C4, Alpha-2C adrenoreceptor, Adrenergic alpha 2C receptor, Alpha 2C adrenergic receptor, Alpha 2C adrenergic receptor subtype C4, Alpha 2C adrenoceptor
<b>UniProt ID:</b>	P18825 - Human
<b>Human Predicted Mass (KDa):</b>	49.522 (462 AA; P18825-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	50

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic peptide amino acids 442-462 (QDFRRSFKHILFRRRRRGFRQ, cytoplasmic C-terminus) of human Alpha-2C adrenergic receptor
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	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>	Human   Mouse
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-433 was sufficient for detection of Alpha-2C Adrenergic Receptor in 20 µg of COS cells transiently transfected with HA-tagged Alpha-2C membrane lysate and assayed 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 ~50 kDa protein or larger (possibly due to dimerization).
<b>Antibody Specificity:</b>	Very High
<b>Antibody Cross Reactivities:</b>	Does not cross-react with other adrenergic receptors.

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