

# AB-NN253-1

## GABA-A Receptor Beta1 Antibody

Pan-specific monoclonal antibody (S96-55) for monitoring the expression of mouse GABA-A Receptor Beta1



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### Target Protein

<b>Name Long:</b>	Gamma-aminobutyric acid receptor subunit beta-1 (GABA-A Receptor Beta1)
<b>Alias:</b>	AW061132, B230208N19Rik, GABA(A) receptor beta 1, GABA(A) receptor subunit beta-1, GABA-A receptor beta-1 polypeptide, Gabrb-1, GABRB1, Gamma aminobutyric acid (GABA) A receptor beta 1, Gamma Aminobutyric Acid A Receptor Beta 1, Gamma Aminobutyric Acid Receptor beta-1, Gamma-aminobutyric acid (GABA) A receptor subunit beta 1, Gamma-aminobutyric acid receptor subunit beta-1, GARB1, GBRB1_HUMAN
<b>UniProt ID:</b>	P50571 - Mouse
<b>Human Predicted Mass (KDa):</b>	54.235 (474 AA; X5DNL6-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	55

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 327-450 of mouse GABA-A-R-Beta1
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	88 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   ICC/IF
<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
<b>Antibody Positive Control:</b>	2 µg/ml of SMC-340 was sufficient for detection of Beta1 GABA receptor 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 ~55 kDa protein.
<b>Antibody Specificity:</b>	Very High
<b>Antibody Cross Reactivities:</b>	No cross-reactivity against GABA-A-R-Beta 2 or -Beta3.

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