

Anti-MGLUR5 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Cow,Horse,Sheep,Monkey)
Molecular Weight:	Theoretical: 130 kDa. Actual: 160 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample:
	Cerebral cortex (Mouse) Lysate at 40 µg
	Hippocampus (Mouse) Lysate at 40 µg
	Primary: Anti-MGLUR5 (TMAB-08795) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 130 kD
	Observed band size: 130 kD
	2. Sample: Cerebrum (Mouse) Lysate at 40 µg
	Primary: Anti-MGLUR5 (TMAB-08795) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 130 kD
	Observed band size: 130 kD
3. Sample:	
Lane 1: Cerebrum (Mouse) Lysate at 40 µg	
Lane 2: Cerebrum (Rat) Lysate at 40 µg	
Primary: Anti-MGLUR5 (TMAB-08795) at 1/1000 dilution	
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: >140 kD	
Observed band size: 160 kD	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MGLUR5
Antigen Species: Human
Gene ID: 2915
Uniprot ID: P41594

Research Background

Glutamate receptors constitute the principal excitatory neurotransmitter receptors in brain. Two classes of glutamate receptors exist: Ionotropic receptors, and metabotropic receptors (mGluRs). Metabotropic Glutamate Receptor 5b (GRM5) activity is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current. The metabotropic glutamate receptor type 5 (mGlu5) is expressed in two splice variants, mGlu5a and mGlu5b, which differ in that mGlu5b has a 33-amino acid insert in the intracellular C-terminal domain. This receptor subtype is highly regulated, with higher levels found in developing animals.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481