

M6A Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05137
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from M6A . at AA range: 140-220
Mol wt	31210
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	M6A Antibody
Synonyms	GPM6A; M6A; Neuronal membrane glycoprotein M6-a; M6a

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

GPM6A (Glycoprotein M6A) is a Protein Coding gene. Gene Ontology (GO) annotations related to this gene include calcium channel activity. An important paralog of this gene is PLP1. Involved in neuronal differentiation, including differentiation and migration of neuronal stem cells. Plays a role in neuronal plasticity and is involved in neurite and filopodia outgrowth, filopodia motility and probably synapse formation. GPM6A-induced filopodia formation involves mitogen-activated protein kinase (MAPK) and Src signaling pathways. May be involved in neuronal NGF-dependent Ca(2+) influx. May be involved in regulation of endocytosis and intracellular trafficking of G-protein-coupled receptors (GPCRs); enhances internalization and recycling of mu-type opioid receptor.

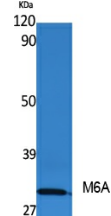
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000

Not yet tested in other applications.

Images



Western Blot analysis of extracts from rat stomach, using M6A Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year