



# AUTS2 mouse mAb

Catalog No	BYmab-18230
Isotype	IgG
Reactivity	Human
Applications	WB
Gene Name	AUTS2 KIAA0442
Protein Name	Autism susceptibility gene 2 protein
Immunogen	Synthesized peptide derived from human AUTS2
Specificity	This antibody detects endogenous levels of AUTS2 at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	138kD
Cell Pathway	Nucleus . Cytoplasm, cytoskeleton . Cell projection, growth cone . Detected both in cytoplasm and nucleus. Colocalizes with RAC1 at actin-rich growth cones. Detected on the promoter region of actively transcribed genes. .
Tissue Specificity	Strongly expressed in brain, skeletal muscle and kidney. Also expressed in placenta, lung and leukocytes.
Function	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility . The PRC1-like complex that contains PCGF5, RNF2, CSNK2B, RYBP and AUTS2 has decreased histone H2A ubiquitination activity, due to the phosphorylation of RNF2 by CSNK2B . As a consequence, the complex mediates transcriptional activation . In the cytoplasm, plays a role in axon and dendrite elongation and in neuronal migration during embryonic brain

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development. Promotes reorganization of the actin cytoskeleton, lamellipodia formation and neurite elongation via its interaction with RAC guanine nu

#### Background

#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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