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Nuclear protein (AB2414) mouse mAb

W0456

Key Features

Host Species
• Mouse

Reactivity
• Human;

Applications
• WB; IHC; IF; ELISA

MW
• 34 kDa (calculated)
• 46;48 kDa (observed)

Isotype
• IgG2a, kappa

Recommended Dilution Ratios

Application	Dilution
WB; IHC; IF; ELISA	IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB2414
Immunogen	A synthetic peptide corresponding to the amino acid region 200 - 300 of the human Nuclear protein protein.
Specificity	This antibody detects endogenous levels of Nuclear protein (NeuN) protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	RBFOX3
Protein Name	Nuclear protein

Database Link

Organism	Swiss Prot.	Gene ID
Human	A6NFN3	146713

Background

This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. The protein has an N-terminal proline-rich region, an RNA recognition motif (RRM) domain, and a C-terminal alanine-rich region. This gene produces the neuronal nuclei (NeuN) antigen that has been widely used as a marker for post-mitotic neurons. This gene has its highest expression in the central nervous system and plays a prominent role in neural tissue development and regulation of adult brain function. Mutations in this gene have been associated with numerous neurological disorders. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2017]

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