

## RbAp48 Monoclonal Antibody

### ORDERING INFORMATION

**Catalog no.:** 3110

**Format:** 100ug Protein G-purified antibody in PBS, pH 7.4.

### BACKGROUND

RbAp48, product of the *RBBP4* gene in humans, is a 48 kDa nuclear protein that was first identified through its interaction with the carboxyl-terminus of retinoblastoma protein (Rb). In mice, the RbAp48 protein is a key component in histone acetylation, transcriptional regulation and in the cyclic adenosine monophosphate (cAMP)-protein kinase element-binding protein CREB1 path way. Since histone acetylation and the cAMP-PKA-CREB1 pathway are extremely important for normal hippocampal function, RbAp48 has been investigated to test whether decreased expression of RbAp48 in aged animals is directly associated with age-related memory loss.

### SPECIFICATION SUMMARY

**Antigen:** The complete coding region (aa 1-425) of RbAp48 expressed in *E. coli*.

**Accession no.:** Q09028

**Gene ID:** 5928

**Antibody Class:** IgG2b

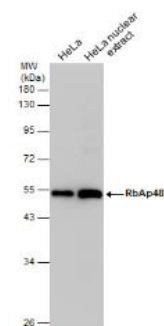
**Clone no.:** 11G10

**Host Species:** Mouse

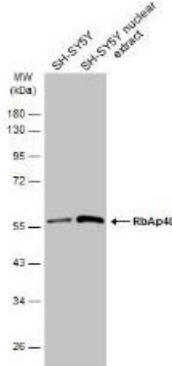
**Specificity:** This antibody recognizes human and mouse RbAp48.

### APPLICATIONS

**Immunoblotting:** use at 1-5ug/ml. A band of ~48kDa is detected.

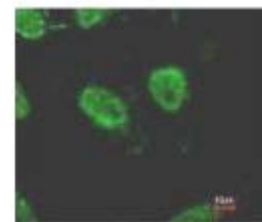


Detection of RbAP48 in HeLa whole cell and nuclear extracts (30ug), separated by 10% SDS-PAGE, with #3110 at 2ug/ml.



Detection of RbAp48 in SH-SY5Y whole cell and nuclear extracts (30 µg), separated by 10% SDS-PAGE, with #3110 at 2ug/ml.

**Immunofluorescence:** use at 5-10ug/ml.



Detection of RbAp48 in HeLa cells with #3110 at 10ug/ml.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

### STORAGE AND STABILITY

This antibody is stable at -20°C for at least one (1) year; store in appropriate aliquots to avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.*