



Qty: 100 µg/200 µL

Mouse anti-Ubiquilin

Catalog No. 37-7700

Lot No.

Mouse anti-Ubiquilin

FORM

This monoclonal antibody is supplied as a 200 µL aliquot at a concentration of 0.5 mg/mL in PBS, pH 7.4, containing 0.1% sodium azide. This antibody is highly purified from mouse ascites by protein A affinity.

CLONE: 3D5E2

ISOTYPE: Mouse IgG_{2b}-kappa

IMMUNOGEN

Recombinant protein derived from an internal region of human ubiquilin.

SPECIFICITY

This antibody is specific for the ubiquilin protein. On Western blots, it identifies a band at ~66 kDa.

REACTIVITY

Reactivity has been confirmed with human HEK293 cell lysates.

Sample	Immuno-precipitation (native)	ELISA	Western Blotting
Human	+++	ND	+++
Immunogen	ND	+++	ND

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Immunoprecipitation: 2 µg/reaction

ELISA: 0.1-1.0 µg/mL

Western Blotting: 1 µg/mL

STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

(cont'd)

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PI377700

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BACKGROUND

Ubiquilin is a recently discovered protein that is involved in early onset Alzheimer's disease. Ubiquilin binds to and promotes aggregation of presenilin proteins. Although the ubiquilin protein contains ubiquitin-like domains, ubiquilin appears to increase presenilin synthesis, rather than affect presenilin turnover. Ubiquilin is found in neuropathological lesions that are characteristic of Alzheimer's and Parkinson's diseases.¹

REFERENCES

1. Mah AL, et al. *J Cell Biol* 151:846862, 2000.

RELATED PRODUCTS

Product	Clone/PAD*	Cat. No.
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

*PAD: Polyclonal Antibody Designation

Conjugate	ZyMAX™ Goat x Rabbit IgG (H+L)	ZyMAX™ Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy™3	81-6115	81-6515
Cy™5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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