



**Qty:** 100µg/400 µL

**Rabbit anti-Endophilin 3**

For Research Use Only

**Catalog No.** 36-3200

**Lot No.**

## Rabbit anti-Endophilin 3

### FORM

This polyclonal antibody is supplied as a 400 µL aliquot at a concentration of 0.25 mg/mL in phosphate buffered saline (pH 7.4) containing 0.1% sodium azide. This antibody is epitope-affinity purified from rabbit antiserum.

**PAD:** ZMD.294

### IMMUNOGEN

Synthetic peptide derived from the internal region of the mouse endophilin 3 (SH3p13) protein.

### SPECIFICITY

This antibody reacts with the mouse and rat endophilin 3 protein. Based on sequence homology, this antibody may cross-react with human endophilin 3. Reactivity with other species has not been determined. On Western blots, it identifies a single band at ~40 kDa.

### REACTIVITY

Reactivity has been confirmed with mouse and rat brain homogenates.

Sample	Western Blotting	ELISA
Mouse	+++	ND
Rat	+++	ND
Immunogen	N/A	+++

(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.

**ELISA:** 0.1-1µg/mL  
**Western Blotting:** 1-3 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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PI363200

(REV 10/08) DCC-08-1089

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**BACKGROUND**

Endophilin 3 is a 40 kDa protein. Unlike endophilin 1 that is expressed in the brain and endophilin 2 that is found in the brain and testis, endophilin 3 shows a more ubiquitous expression pattern.<sup>1,2</sup> Endophilins have been proposed to play roles in membrane trafficking reactions through interactions with endocytic protein via physical or chemical modifications of the membrane bilayer, particularly in presynaptic vesicle trafficking at nerve terminals.<sup>2</sup>

**REFERENCES**

1. Giachino C, et al. *Genomics* 414: 308-312, 1997.
2. Ringstad N, et al. *J Biol Chem* 276(44): 40424-40430, 2001.

**RELATED PRODUCTS**

<b>Product</b>	<b>Clone/PAD*</b>	<b>Cat. No.</b>
Rabbit anti-pan-Endophilin	ZMD.297	36-3400
Rabbit anti-Endophilin 2	ZMD.278	36-3300
Rabbit anti-Endophilin 1	ZMD.291	36-3000
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

\*PAD: Polyclonal Antibody Designation

<b>Conjugate</b>	<b>ZyMAX™ Goat x Rabbit IgG (H+L)</b>	<b>ZyMAX™ Goat x Mouse IgG (H+L)</b>
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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