HDEL monoclonal antibody, clone 2E7

Catalog # MAB7908 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of HDEL.
Immunogen	A synthetic peptide corresponding to C-terminus of yeast Bip HDEL.
Host	Mouse
Reactivity	Fruit fly, Plants, Yeast
Specificity	HDEL (his-asp-glu-leu) is a C-terminal tertapeptide found in yeast and plants which allows sorting of r esident soluble proteins in the lumen of the endoplasmic reticulum.
Form	Liquid
Isotype	IgG2B
Recommend Usage	Western Blot (1:100-1:1000) Immunofluorescence (1:50-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Western Blot

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Publication Reference

- GRP78/BiP is required for cell proliferation and protecting the inner cell mass from apoptosis during early mouse embryonic development.

  Luo S, Mao C, Lee B, Lee AS.

  Molecular Biology of the Cell 2006 Dec; 24(12):3387.

  Application: WB, Mouse, MEFs, Mouse embryos, livers

- Immunological evidence that plants use both HDEL and KDEL for targeting proteins to the endoplasmic reticulum.

  Napier RM, Fowke LC, Hawes C, Lewis M, Pelham HR.

  Journal of Cell Science 1992 Jun; 102 (Pt 2):261.

  Application: IEM, IF, WB-Ce, Plant, Plant cells

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