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Product no AS10 683

Anti-HDEL | Endoplasmic reticulum retention signal (clone 2E7)

Product information

Immunogen	Synthetic HDEL peptide corresponding to the C-terminus of yeast Bip protein
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG2B
Purity	Total IgG. Protein G purified in PBS pH 7.4.
Format	Liquid
Quantity	100 µg
Storage	Store at -20°C for 1 year; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.
Additional information	Protein G purified IgG2B in PBS, pH 7,4 with 0,09 % sodium azide and 50 % glycerol at concentration 1 mg/ml

Application information

Recommended dilution	1: 50-1 : 500 (IF), 1 : 100-1, 1000 (WB)
Expected | apparent MW	78 kDa
Confirmed reactivity	*Barnyard Grass (*E. crus-galli*), Beta vulgaris, Drosophila melanogaster, Gossypium hirsutum, Hordeum vulgare, Saccharomyces cerevisiae, Sorghum sp., Vigna radiata*
Predicted reactivity	Higher plants
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Antibody in concentration 1 µg/ml was sufficient for detection of HDEL-containing proteins in 10 µg of yeast cell lysate by colorimetric western blot. Clone 2E7. For western blot results, immunofluorescence and immunogold images please referr to Napier et al. 1992.
Selected references	Luo et al. (2006). GRP78/BiP is required for cell proliferation and protecting the inner cell mass from apoptosis during early mouse embryonic development. Mol Cell Biol. 26(15): 5688-5697. Napier et al. (1992). Immunological evidence that plants use both HDEL and KDEL for targeting proteins to the endoplasmic reticulum. J Cell Sci. 102: 261-271.