

Product no **AS10 683****Anti-HDEL | Endoplasmic reticulum retention signal (clone 2E7)****Product information**

<b>Immunogen</b>	Synthetic HDEL peptide corresponding to the C-terminus of yeast Bip protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgG2B
<b>Purity</b>	Total IgG. Protein G purified in PBS pH 7.4.
<b>Format</b>	Liquid
<b>Quantity</b>	100 µg
<b>Storage</b>	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.
<b>Additional information</b>	Protein G purified IgG2B in PBS, pH 7,4 with 0,09 % sodium azide and 50 % glycerol at concentration 1 mg/ml

**Application information**

<b>Recommended dilution</b>	1 : 50-1 : 500 (IF), 1 : 100-1, 1000 (WB)
<b>Expected   apparent MW</b>	78 kDa
<b>Confirmed reactivity</b>	<i>Barnyard Grass (E. crus-galli)</i> , <i>Beta vulgaris</i> , <i>Drosophila melanogaster</i> , <i>Gossypium hirsutum</i> , <i>Hordeum vulgare</i> , <i>Saccharomyces cerevisiae</i> , <i>Sorghum sp.</i> , <i>Vigna radiata</i>
<b>Predicted reactivity</b>	Higher plants
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	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 refer to Napier et al. 1992.
<b>Selected references</b>	<a href="#">Luo</a> et al. (2006). GRP78/BiP is required for cell proliferation and protecting the inner cell mass from apoptosis during early mouse embryonic development. <i>Mol Cell Biol.</i> 26(15): 5688-5697. <a href="#">Napier</a> et al. (1992). Immunological evidence that plants use both HDEL and KDEL for targeting proteins to the endoplasmic reticulum. <i>J Cell Sci.</i> 102: 261-271.