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EB11539 - Goat Anti-Hsp31p (yeast, aa50-64) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: Hsp31p, YDR533C
Official Symbol: HSP31
Accession Number(s): NP_010822.1

Immunogen

Peptide with sequence C-ETGKFGWDEHSLAKD, from the internal region of the protein sequence according to NP_010822.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

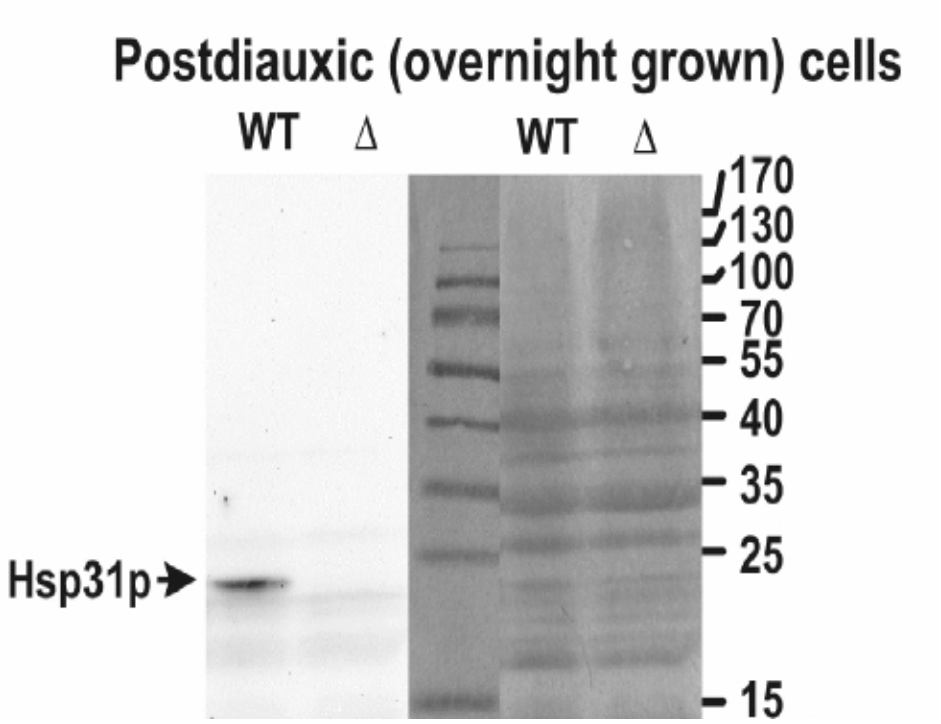
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 24kDa band observed in lysates of postdiauxic (overnight grown yeast cells, and no signal in KO grown under identical conditions. Cells grown in logarithmic phase show diminished signals as expected. (calculated MW of 25.7kDa according to NP_010822.1). Recommended concentration: 0.02-0.06µg/ml. This antibody has been successfully used in the following paper: Natka■ska et al (2018) PMID: 29264711.

Species Reactivity

Tested: S. cerevisiae
Expected from sequence similarity: Saccharomyces cerevisiae S288c

Specific Reference

This antibody has been successfully used in Redox WB on Yeast:
Urszula Natka■ska, Adrianna Skoneczna and Marek Skoneczny
Oxidative stress triggers aggregation of GFP-tagged Hsp31p, the budding yeast environmental stress response chaperone, and glyoxalase III
Cell Stress and Chaperones (2018) 23:595–607
PMID: 29264711



EB11539 (0.05µg/ml) staining of yeast lysate (wt) and the KO (delta) in th eleft panel and the Ponceau stain in the right panel (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence. Data obtained by Dr. M. Skoneczny, IBB, Warsaw, Poland.