



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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

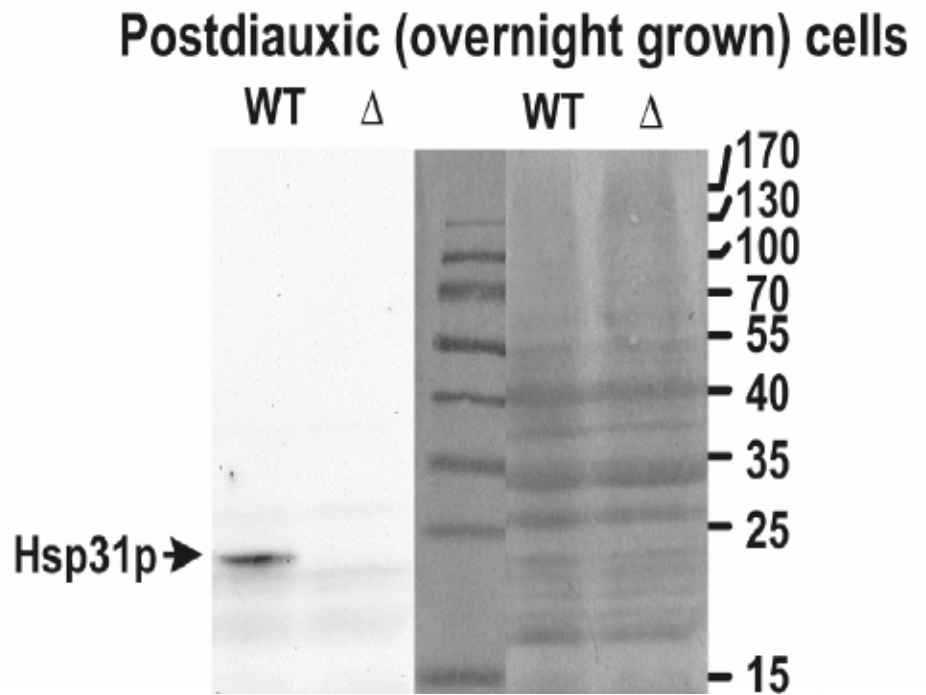
**This antibody has been successfully used in Redox WB on Yeast:**

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