

## Product datasheet

# Non-Homologous End Joining (H2A.X, gamma H2A.X pS139, DNA Ligase IV, Ku70, Ku80) Antibody Panel ab213658

### Overview

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**Product name** Non-Homologous End Joining (H2A.X, gamma H2A.X pS139, DNA Ligase IV, Ku70, Ku80) Antibody Panel

**Product overview** ab213658 is a Non Homologous End Joining Panel designed for the detection and characterization of key proteins involved in DNA double strand break (DSB) repair by non-homologous end joining (NHEJ). Histone H2A.X is phosphorylated on S139, termed gamma H2A.X, at sites of DNA damage. DNA DSB repair by NHEJ requires Ku70/Ku80 heterodimer binding to the DSB, as well as DNA Ligase IV for ligation of DNA ends.

This panel contains 5 recombinant rabbit monoclonal antibodies. They are provided as a sampler panel to allow you to easily evaluate each in your applications.

The panel contains:

- Rabbit monoclonal anti-Histone H2A.X antibody [EPR895] - ChIP Grade ([ab124781](#))
- Rabbit monoclonal anti-gamma H2A.X (phospho S139) antibody [EP854(2)Y] - ChIP Grade ([ab81299](#))
- Rabbit monoclonal anti-DNA Ligase IV/LIG4 antibody [EPR16531] ([ab193353](#))
- Rabbit monoclonal anti-Ku70 antibody [EPR4027] ([ab92450](#))
- Rabbit monoclonal anti-Ku80 antibody [EPR3468] ([ab80592](#))

For guidelines on how to use each antibody within the panel, please consult the individual datasheet for each antibody.

**Notes** [Explore our range of antibody sample panels](#) designed to provide you with a variety of trial-size antibodies in a convenient and cost-effective format.

### Properties

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**Storage instructions** Store at -20°C. Please refer to protocols.

Components	1 units
Anti-DNA Ligase IV/LIG4 antibody [EPR16531] ( <a href="#">ab193353</a> )	2 x 10µl
Anti-gamma H2A.X (phospho S139) antibody [EP854(2)Y] - ChIP Grade ( <a href="#">ab81299</a> )	2 x 10µl
Anti-Histone H2A.X antibody [EPR895] - ChIP Grade ( <a href="#">ab124781</a> )	2 x 10µl
Anti-Ku70 antibody [EPR4027] ( <a href="#">ab92450</a> )	2 x 10µl
Anti-Ku80 antibody [EPR3468] ( <a href="#">ab80592</a> )	2 x 10µl

**Cellular localization** Ku70: Nucleus. Chromosome. Ku80: Nucleus. Chromosome. DNA Ligase IV/LIG4: Nucleus. Histone H2A.X: Nucleus. Chromosome. gamma H2A.X: Nucleus. Chromosome.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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