Product datasheet

Anti-Blooms Syndrome Protein Blm antibody ab5446

3 Abreviews

Overview

Product name
Anti-Blooms Syndrome Protein Blm antibody

Description
Goat polyclonal to Blooms Syndrome Protein Blm

Host species
Goat

Tested applications
Suitable for: WB, IP
Unsuitable for: ICC/IF

Species reactivity
Reacts with: Human

Predicted to work with: Chimpanzee

Immunogen
Immunogen was a synthetic peptide, which represented a portion of human Bloom Syndrome encoded within exon 2.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer
Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris

Purity
Immunogen affinity purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab5446 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/1000 - 1/10000. Detects a band of approximately 190 kDa (predicted molecular weight: 180 kDa).</td>
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<tr>
<td>IP</td>
<td></td>
<td>Use a concentration of 1 µg/ml.</td>
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Application notes
Is unsuitable for ICC/IF.
**Function**
Participates in DNA replication and repair. Exhibits a magnesium-dependent ATP-dependent DNA-helicase activity that unwinds single- and double-stranded DNA in a 3'-5' direction.

**Involvement in disease**
Defects in BLM are the cause of Bloom syndrome (BLM) [MIM:210900]. BLM is an autosomal recessive disorder characterized by proportionate pre- and postnatal growth deficiency, sun-sensitive telangiectatic hypo- and hyperpigmented skin, predisposition to malignancy, and chromosomal instability.

**Sequence similarities**
Belongs to the helicase family, RecQ subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.
Contains 1 HRDC domain.

**Post-translational modifications**
Phosphorylated in response to DNA damage. Phosphorylation requires the FANCA-FANCC-FANCE-FANC-FANCG protein complex, as well as the presence of RMI1.

**Cellular localization**
Nucleus.

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