

## Product datasheet

# Anti-Rad17 antibody - Carboxyterminal end ab50526

### 画像数 1

#### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-Rad17 antibody - Carboxyterminal end   |
| 製品の詳細        | Rabbit polyclonal to Rad17 - Carboxyterminal end  |
| 由来種          | Rabbit  |
| 特異性          | Ab50526 specifically recognizes RAD17 (C terminal). The immunizing peptide is present in isoforms 1 to 4 of RAD17.  |
| アプリケーション     | <b>適用あり:</b> IP, ICC/IF, WB   |
| 種交差性         | <b>交差種:</b> Human   |
| 免疫原          | Synthetic peptide: HSAEESLGEPTQATVPET, corresponding to amino acids 623-640 of Human Rad17 (isoform 2) conjugated to KLH by an N terminal Cysteine residue linker.<br><a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a> |
| ポジティブ・コントロール | HeLa cell lysates and HEK293-T cells fixed with methanol acetone.   |

#### 製品の特性

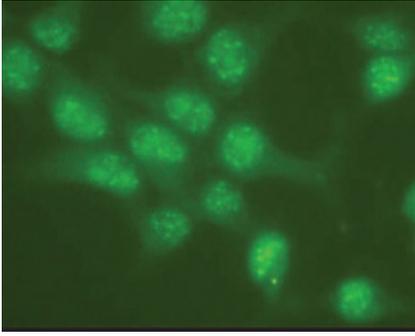
|          |  |
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| 製品の状態    | Liquid   |
| 保存方法     | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| バッファー    | Preservative: 15mM Sodium Azide<br>Constituents: 0.01M PBS, pH 7.4   |
| 精製度      | Immunogen affinity purified  |
| 特記事項(精製) | Ab50526 is affinity purified on the immunizing peptide immobilized on agarose.   |
| ポリ/モノ    | ポリクローナル  |
| アイソタイプ   | IgG  |

#### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab50526** in the following tested applications.

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

| アプリケーション       | Abreviews  | 特記事項 |
|----------------|--|------|
| IP             |  |      |
| ICC/IF         |  |      |
| WB             |  |      |
| <b>追加情報</b>    | <p>ICC/IF: Use at a concentration of 5.0 - 10.0 µg/ml using HEK293-T cells fixed with methanol-acetone.</p> <p>IP: Use at an assay dependent dilution.</p> <p>WB: Use at a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 77 kDa.</p> <p>Staining of the RAD17 band is specifically inhibited by the immunizing peptide. It is recommended that the antibody be diluted in phosphate buffered saline containing 5% non-fat dry milk and 0.05 % TWEEN 20.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p> |      |
| <b>ターゲット情報</b> |  |      |
| <b>機能</b>      | <p>Essential for sustained cell growth, maintenance of chromosomal stability, and ATR-dependent checkpoint activation upon DNA damage. Has a weak ATPase activity required for binding to chromatin. Participates in the recruitment of the RAD1-RAD9-HUS1 complex onto chromatin, and in CHEK1 activation. May also serve as a sensor of DNA replication progression, and may be involved in homologous recombination.</p>  |      |
| <b>組織特異性</b>   | <p>Overexpressed in various cancer cell lines and in colon carcinoma (at protein level). Isoform 2 and isoform 3 are the most abundant isoforms in non irradiated cells (at protein level). Ubiquitous at low levels. Highly expressed in testis, where it is expressed within the germinal epithelium of the seminiferous tubuli. Weakly expressed in seminomas (testicular tumors).</p>  |      |
| <b>配列類似性</b>   | <p>Belongs to the rad17/RAD24 family.</p>  |      |
| <b>翻訳後修飾</b>   | <p>Phosphorylated. Phosphorylation on Ser-646 and Ser-656 is cell cycle-regulated, enhanced by genotoxic stress, and required for activation of checkpoint signaling. Phosphorylation is mediated by ATR upon UV or replication arrest, whereas it may be mediated both by ATR and ATM upon ionizing radiation. Phosphorylation on both sites is required for interaction with RAD1 but dispensable for interaction with RFC3 or RFC4.</p>   |      |
| <b>細胞内局在</b>   | <p>Nucleus. Phosphorylated form redistributes to discrete nuclear foci upon DNA damage.</p>  |      |
| <b>画像</b>      |  |      |



Ab50526, at 10ug/ml, staining Rad17 in methanol-acetone fixed HEK-293-T cells by immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-Rad17 antibody - Carboxyterminal end (ab50526)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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