

Product datasheet

Anti-FANCG antibody ab123671

1 Image

Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-FANCG antibody  |
| <b>Description</b>         | Rabbit polyclonal to FANCG   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | Synthetic peptide conjugated to KLH, corresponding to C terminal amino acids 539-568 of Human FANCG (NP_004620.1). |
| <b>Positive control</b>    | MDA-MB453 cell line lysates.   |

Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.                    |
| <b>Storage buffer</b>       | Preservative: 0.09% Sodium azide<br>Constituent: 99% PBS                                    |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Purification notes</b>   | ab123671 is purified through a protein A column, followed by peptide affinity purification. |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

Applications

Our [Abpromise guarantee](#) covers the use of **ab123671** in the following tested applications.

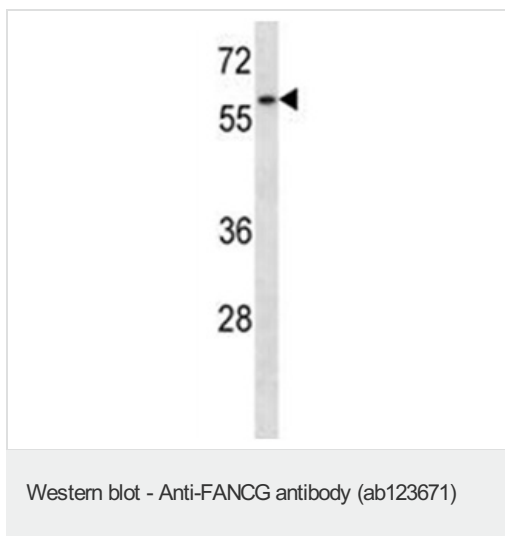
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| WB          |           | 1/100 - 1/500. Predicted molecular weight: 69 kDa. |

Target

|                               |   |
|-------------------------------|---|
| <b>Function</b>               | DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. Candidate tumor suppressor gene.   |
| <b>Tissue specificity</b>     | Highly expressed in testis and thymus. Found in lymphoblasts.   |
| <b>Involvement in disease</b> | Defects in FANCG are a cause of Fanconi anemia (FA) [MIM:227650]. FA is a genetically heterogeneous, autosomal recessive disorder characterized by progressive pancytopenia, a diverse assortment of congenital malformations, and a predisposition to the development of malignancies. At the cellular level it is associated with hypersensitivity to DNA-damaging agents, chromosomal instability (increased chromosome breakage), and defective DNA repair. |
| <b>Sequence similarities</b>  | Contains 4 TPR repeats.   |
| <b>Cellular localization</b>  | Nucleus. Cytoplasm. The major form is nuclear. The minor form is cytoplasmic.   |

## Images



Anti-FANCG antibody (ab123671) at 1/100 dilution + MDA-MB453 cell line lysates at 35 µg

**Predicted band size** : 69 kDa

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

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