

Product datasheet

Anti-XRCC2 antibody ab58466

1 Image

Overview

<b>Product name</b>	Anti-XRCC2 antibody
<b>Description</b>	Rabbit polyclonal to XRCC2
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab58466 detects endogenous levels of total XRCC2 protein.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide derived from internal sequence of human XRCC2.
<b>Positive control</b>	IHC-P: Human lung carcinoma tissue.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	The antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab58466** 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
IHC-P		Use at an assay dependent concentration.
ELISA		1/10000.

## Target

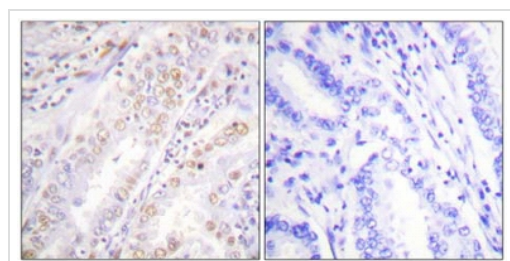
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<b>Function</b>	Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. The BCDX2 complex binds single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA.
<b>Sequence similarities</b>	Belongs to the RecA family. RAD51 subfamily.
<b>Post-translational modifications</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>Cellular localization</b>	Cytoplasm, Cytoskeleton, Nucleus

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## Images

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Ab58466, at 1/50 dilution, staining paraffin embedded human lung carcinoma tissue by Immunohistochemistry in the absence (left image) or presence (right image) of the immunising peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-XRCC2 antibody (ab58466)

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

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