


Product datasheet

Anti-ERCC1 antibody ab77405

1 Image

Overview

<b>Product name</b>	Anti-ERCC1 antibody
<b>Description</b>	Goat polyclonal to ERCC1
<b>Host species</b>	Goat
<b>Specificity</b>	ab77405 is expected to recognise both reported isoforms (NP_973730.1 and NP_001974.1).
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee 
<b>Immunogen</b>	Synthetic peptide: DPGKDKEGVPQPS-C , corresponding to N terminal amino acids 2-14 of Human ERCC1 (NP_973730.1; NP_001974.1).  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	A431 and Kelly lysates.

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: 0.5% BSA, Tris saline, pH 7.3
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab77405 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab77405** 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
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WB

ELISA

#### Application notes

Peptide ELISA: Antibody detection limit dilution 1/64000.

WB: Use at a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 32 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

#### Target

##### Function

Structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA repair.

##### Involvement in disease

Defects in ERCC1 are the cause of cerebro-oculo-facio-skeletal syndrome type 4 (COFS4) [MIM:610758]. COFS is a degenerative autosomal recessive disorder of prenatal onset affecting the brain, eye and spinal cord. After birth, it leads to brain atrophy, hypoplasia of the corpus callosum, hypotonia, cataracts, microcornea, optic atrophy, progressive joint contractures and growth failure. Facial dysmorphism is a constant feature. Abnormalities of the skull, eyes, limbs, heart and kidney also occur.

##### Sequence similarities

Belongs to the ERCC1/RAD10/SW110 family.

##### Cellular localization

Nucleus.

#### Images



Western blot - ERCC1 antibody (ab77405)

Anti-ERCC1 antibody (ab77405) at 0.3 µg/ml  
+ A431 lysate in RIPA buffer at 35 µg

**Predicted band size:** 32 kDa

**Observed band size:** 38 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

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