abcam

Product datasheet

Anti-ERCC1 antibody ab69398

2 Images

Overview

Product name	Anti-ERCC1 antibody
Description	Rabbit polyclonal to ERCC1
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Hamster, Cow
Immunogen	Synthetic peptide corresponding to Human ERCC1 aa 250 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab93790)
Positive control	This antibody gave a positive signal mouse kidney tissue lysate and in the following whole cell lysates: HeLa; Jurkat.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab69398** 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		Use a concentration of 1 µg/ml. Detects a band of approximately 32 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/SWI10 family.
Cellular localization	Nucleus.

Images

Western blot - Anti-ERCC1 antibody (ab69398)

All lanes : Anti-ERCC1 antibody (ab69398) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 2 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

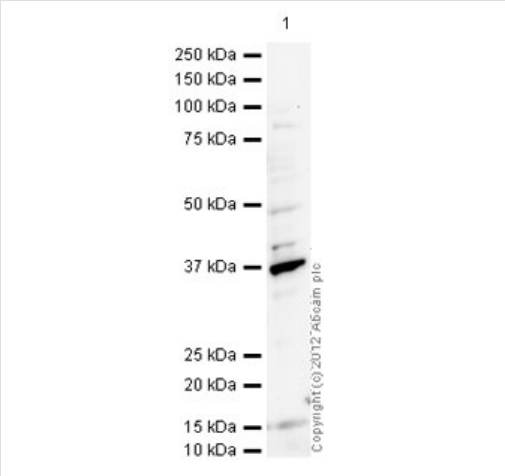
Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 32 kDa
Observed band size: 32 kDa
Additional bands at: 36 kDa, 55 kDa, 90 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 10 minutes



Western blot - Anti-ERCC1 antibody (ab69398)

Anti-ERCC1 antibody (ab69398) at 1 µg/ml + Kidney (Mouse) Tissue Lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 32 kDa

Observed band size: 36 kDa

why is the actual band size different from the predicted?

Exposure time: 20 minutes

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