Anti-XPA Rabbit Polyclonal Antibody

Catalog #: 50730

Aliases

XPAC; DNA repair protein complementing XP-A cells; Xeroderma pigmentosum group A-complementing protein

Background

Gene Name: XPA
NCBI Gene Entry: 7507
UniProt Entry: P23025

Application Information

Molecular Weight: Predicted, 31 kDa; observed, 40 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human, mouse, rat, dog
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human XPA

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

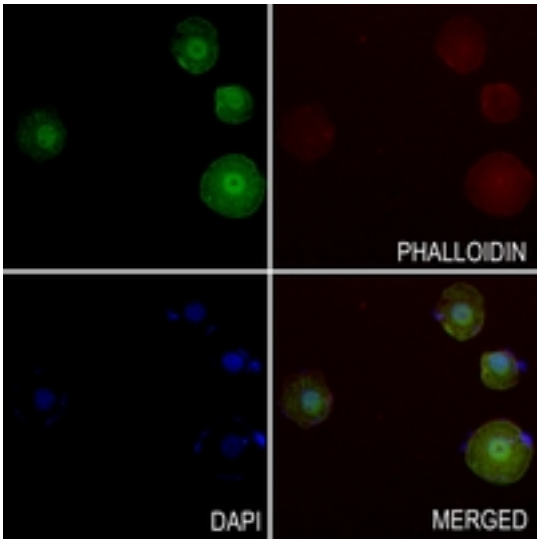
Store at -20 °C for one year.

Recommended Dilutions

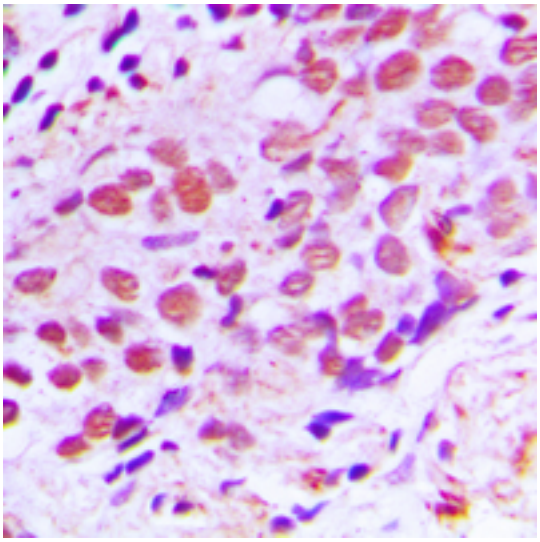
Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:50-1:100
Immunocytochemistry (IC): 1:50-1:200

Note: This product is for research use only.

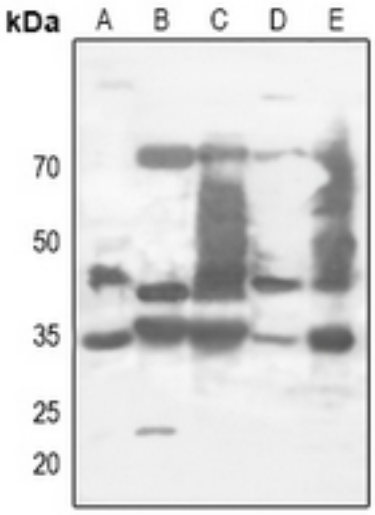
Validation Data



Immunocytochemical analysis of XPA staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of XPA staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blotting analysis of XPA expression in HepG2 (A), mouse liver (B), mouse spleen (C), rat liver (D), rat spleen (E) whole cell lysates.