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Datasheet for ABIN3022570

anti-XRCC2 antibody

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Overview

Quantity:	100 µL
Target:	XRCC2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRCC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of human XRCC2
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	XRCC2
Alternative Name:	XRCC2 (XRCC2 Products)
Background:	This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene is involved in the repair of DNA double-strand breaks by homologous recombination and it functionally complements Chinese hamster irs1, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents. [provided by RefSeq, Jul 2008]

Target Details

Synonyms: DKFZp781P0919

Gene ID: 7516

UniProt: [O43543](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Recommended dilutions: WB: 1:500-1:2000, IHC: 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C/-80 °C

Publications

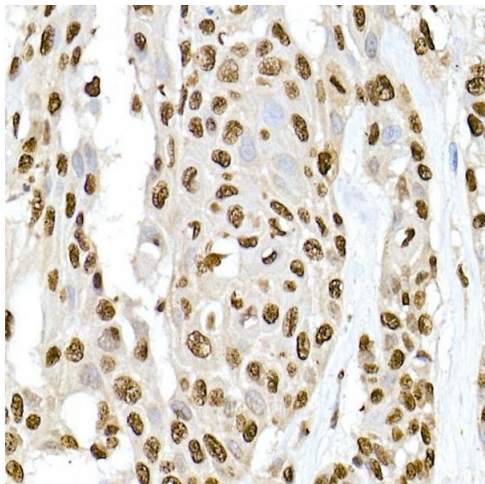
Product cited in: Wang, Sun, Zhu, Sun, Ma, Wang, Lu, Chen, Xu: "Quantitative proteomic analysis revealed changes in protein synthesis and mitochondrial functions after acute DNA damage in mouse neural stem cells." in: **Neuroscience letters**, Vol. 653, pp. 355-361, (2018) ([PubMed](#)).

Zhang, Tang, Jiang, Mao: "The transcription factor GATA3 is required for homologous recombination repair by regulating CtIP expression." in: **Oncogene**, Vol. 36, Issue 36, pp. 5168-5176, (2017) ([PubMed](#)).

Deng, Zou, Xiong, Wang, Engelhardt, Ye, Yan, Qiu: "Human Parvovirus Infection of Human Airway Epithelia Induces Pyroptotic Cell Death by Inhibiting Apoptosis." in: **Journal of virology**, Vol. 91, Issue 24, (2017) ([PubMed](#)).

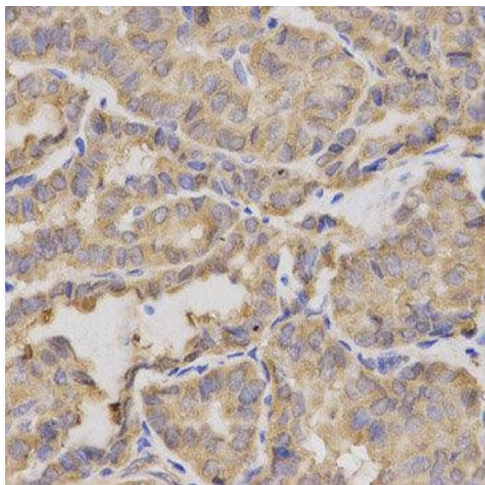
Dong, Wang, Wang, Zhang, Zhu, Gao, Yang, Qin, Liang, Chen, Deng, Ning, Liang, Gao, Xu: "A stress-induced cellular aging model with postnatal neural stem cells." in: **Cell death & disease**, Vol. 5, pp. e1116, (2014) ([PubMed](#)).

Images



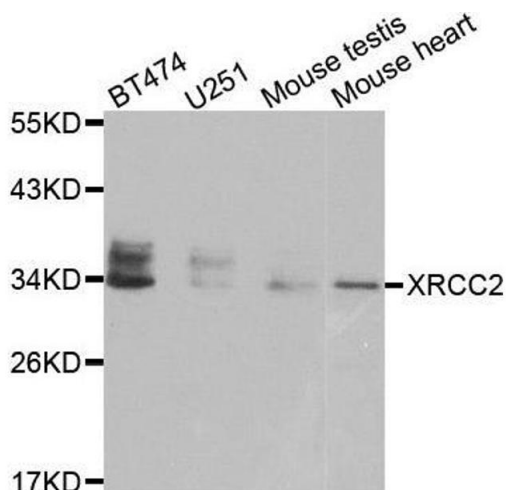
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat lung using XRCC2 Rabbit pAb at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human thyroid cancer using XRCC2 antibody at dilution of 1:200 (x400 lens)



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using XRCC2 antibody.

Images

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022570.