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anti-XPC antibody (C-Term)

3 Images



Publication



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Quantity:	100 μL
Target:	XPC
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XPC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human XPC. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rat (Rattus)
Cross-Reactivity (Details):	Rat (85 %)
Characteristics:	Rabbit Polyclonal antibody to XPC (xeroderma pigmentosum, complementation group C) XPC antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	XPC
Alternative Name:	XPC (XPC Products)
Background:	This gene encodes a component of the nucleotide excision repair (NER) pathway. There are multiple components involved in the NER pathway, including Xeroderma pigmentosum (XP) A-G and V, Cockayne syndrome (CS) A and B, and trichothiodystrophy (TTD) group A, etc. This component, XPC, plays an important role in the early steps of global genome NER, especially in damage recognition, open complex formation, and repair protein complex formation. Mutations in this gene or some other NER components result in Xeroderma pigmentosum, a rare autosomal recessive disorder characterized by increased sensitivity to sunlight with the development of carcinomas at an early age. Alternatively spliced transcript variants have been found for this gene.
Molecular Weight:	Cellular Localization: Nucleus 106 kDa
Gene ID:	7508
Pathways:	p53 Signaling, DNA Damage Repair
Application Details	
Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: NT2D1 , IMR32 , U87-MG , MCF-7
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.67 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)

Handling

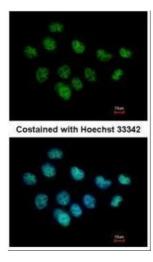
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in:

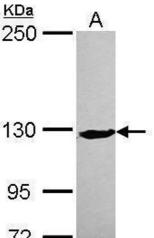
Shirozu, Iwano, Ogiso, Suzuki, Balboula, Bai, Kawahara, Kimura, Takahashi, Rulan, Kim, Yanagawa, Nagano, Imakawa, Takahashi: "Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium." in: **The Journal of reproduction and development**, Vol. 63, Issue 3, pp. 211-220, (2018) (PubMed).

Images



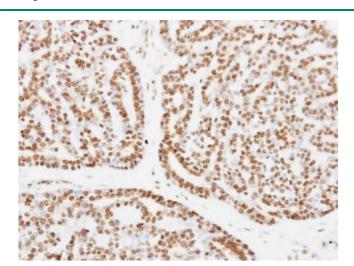
Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A431, using XPC, antibody at 1:500 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: IMR32 5% SDS PAGE antibody diluted at 1:500



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded human breast cancer, using XPC, antibody at 1:250 dilution.