

XPC Polyclonal Antibody

Catalog NumberPA5-27799

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 685 and 940 of Human XPC	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Conjugate	Unconjugated	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Form	Liquid		
Concentration	0.67 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: NT2D1, IMR32, U87-MG, MCF-7. Predicted reactivity: Mouse (81%), Rat (85%), Bovine (84%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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.

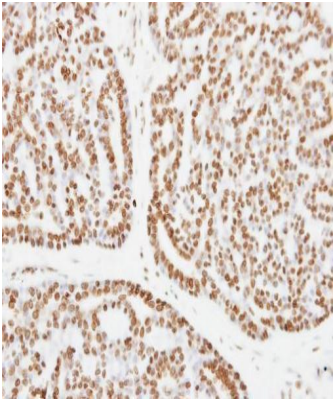
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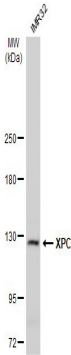
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Product Images For XPC Polyclonal Antibody



**XPC Antibody (PA5-27799) in IHC (P)**  
Immunohistochemical analysis of paraffin-embedded human breast cancer, using XPC (Product # PA5-27799) antibody at 1:250 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



**XPC Antibody (PA5-27799) in WB**  
Western blot analysis of XPC was performed by separating 30 µg of whole cell extract by 5% SDS-PAGE. Proteins were transferred to a membrane and probed with a XPC Polyclonal Antibody (Product # PA5-27799) at a dilution of 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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