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Datasheet for ABIN1882000
anti-XPC antibody (N-Term)

1 Image

1 Publication

Overview

Quantity:	400 µL
Target:	XPC
Binding Specificity:	AA 154-183, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XPC antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This XPC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-183 amino acids from the N-terminal region of human XPC.
Clone:	RB40964
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	XPC
Alternative Name:	XPC (XPC Products)
Background:	This gene encodes a component of the nucleotide excision repair (NER) pathway. There are

Target Details

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:	105953
NCBI Accession:	NP_001139241 , NP_004619
UniProt:	Q01831
Pathways:	p53 Signaling , DNA Damage Repair

Application Details

Application Notes:	WB: 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Dai, Liu, Liu, Zhang, Wang, Jin, Qian, Wang, Zhao, Wu, Xiong, Chang, Sun, Yang, Hoffman, Liu: "Anti-metastatic Efficacy of Traditional Chinese Medicine (TCM) Ginsenoside Conjugated to a VEGFR-3 Antibody on Human Gastric Cancer in an Orthotopic Mouse Model." in: Anticancer research , Vol. 37, Issue 3, pp. 979-986, (2017) (PubMed).
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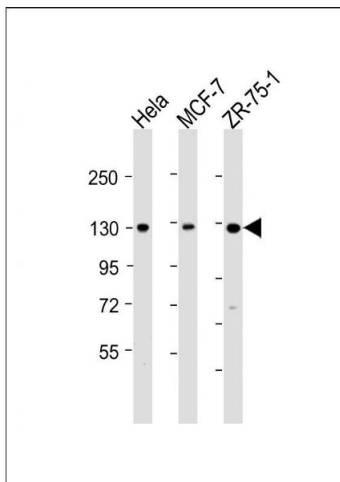
Irrthum, Karkkainen, Devriendt, Alitalo, Vikkula: "Congenital hereditary lymphedema caused by a mutation that inactivates VEGFR3 tyrosine kinase." in: **American journal of human genetics**, Vol. 67, Issue 2, pp. 295-301, (2000) ([PubMed](#)).

Galland, Karamysheva, Pebusque, Borg, Rottapel, Dubreuil, Rosnet, Birnbaum: "The FLT4 gene encodes a transmembrane tyrosine kinase related to the vascular endothelial growth factor receptor." in: **Oncogene**, Vol. 8, Issue 5, pp. 1233-40, (1993) ([PubMed](#)).

Pajusola, Aprelikova, Korhonen, Kaipainen, Pertovaara, Alitalo, Alitalo: "FLT4 receptor tyrosine kinase contains seven immunoglobulin-like loops and is expressed in multiple human tissues and cell lines." in: **Cancer research**, Vol. 52, Issue 20, pp. 5738-43, (1992) ([PubMed](#)).

Galland, Karamysheva, Mattei, Rosnet, Marchetto, Birnbaum: "Chromosomal localization of FLT4, a novel receptor-type tyrosine kinase gene." in: **Genomics**, Vol. 13, Issue 2, pp. 475-8, (1992) ([PubMed](#)).

Images



Western Blotting

Image 1. All lanes : Anti-XPC Antibody (N-term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: ZR-75-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 106 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.