

Nur für Forschungszwecke

# Phospho-FANCD2 (Ser330) Polyklonaler Antikörper



Katalog-Nr.:19543-1-AP

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 19543-1-AP	<b>GenBank-Zugangsnummer:</b> NML_033084	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 100ul , Konzentration: 762 µg/ml von Nanodrop und 762 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 2177	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> Fanconi anemia, complementation group D2	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 166 kDa	
	<b>Beobachtete Masse:</b> 150-155 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : HL-60-Zellen, IHC : humanes Hodengewebe,
<b>Getestete Reaktivität:</b> Human	

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

FANCD2, also named as FACD and FACD2, is required for maintenance of chromosomal stability. FANCD2 promotes accurate and efficient pairing of homologs during meiosis. FANCD2 is involved in the repair of DNA double-strand breaks, both by homologous recombination and single-strand annealing. It may participate in S phase and G2 phase checkpoint activation upon DNA damage. It promotes BRCA2/FANCD1 loading onto damaged chromatin. FANCD2 may also be involved in B-cell immunoglobulin isotype switching. Defects in FANCD2 are a cause of Fanconi anemia (FA) which is a genetically heterogeneous, autosomal recessive disorder characterized by progressive pancytopenia, a diverse assortment of congenital malformations, and a predisposition to the development of malignancies. The antibody is to phospho-Ser(330) of FANCD2.

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

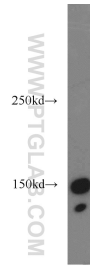
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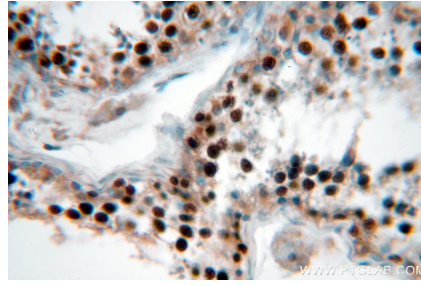
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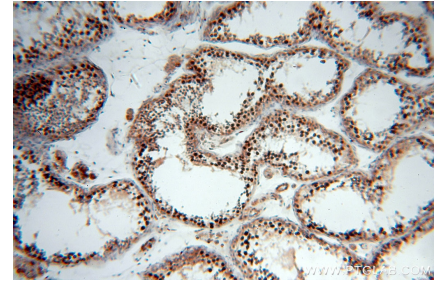
## Ausgewählte Validierungsdaten



HL-60 cells were subjected to SDS PAGE followed by western blot with 19543-1-AP (FANCD2-phospho(S330) antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 19543-1-AP (FANCD2-phospho(S330) antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 19543-1-AP (FANCD2-phospho(S330) antibody) at dilution of 1:50 (under 10x lens).