

Human/Mouse/Rat XPD Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3296

DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human, mouse, and rat XPD in Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human XPD Met1-Gly360 Accession # P18074		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below

DATA

Western Blot



Detection of Human/Mouse/Rat XPD by Western Blot. Western blot shows lysates of K562 human chronic myelogenous leukemia cell line, CH-1 mouse B cell lymphoma cell line, and Rat-2 rat embryonic fibroblast cell line. PVDF membrane was probed with 0.5 µg/mL of Human/Mouse/Rat XPD Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3296) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for XPD at approximately 100 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

ShippingThe product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The Xeroderma Pigmentosum (XPD) protein is a DNA helicase that acts as a subunit of the RNA polymerase II complex during nucleotide excision repair (NER) and transcription-coupled repair (TCR). XPD is also involved in p53-mediated apoptosis. XP patients exhibit hypersensitivity to ultraviolet light and have a heightened incidence of skin cancer.

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