

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DNA-PK _{CS} in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human DNA-PK _{CS} Thr3844-Trp4127 Accession # P78527
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DNA-dependent protein kinase catalytic subunit (DNA-PK_{CS}) is a member of the PI3-kinase related kinase (PIKK) superfamily. DNA-PK_{CS} is a serine/threonine kinase that, along with the DNA-binding proteins Ku70/Ku80, binds to regions of DNA double-strand breaks and is involved in double-strand break repair and VDJ recombination.

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