Product datasheet

anti-Ku-86 mouse monoclonal, J15, purified

Short overview

Cat. No.	691704
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	J15
Immunogen	A431 cells (human epidermoid carcinoma)
Formulation	PBS with 0.02% sodium azide
UniprotID	P13010 (Human)
Synomym	X-ray repair cross-complementing protein 5, EC 3.6.4.-, 86 kDa subunit of Ku antigen, ATP-dependent DNA helicase 2 subunit 2, ATP-dependent DNA helicase II 80 kDa subunit, CTC box-binding factor 85 kDa subunit, CTC85, CTCBF, DNA repair protein XRCC5, Ku80, Ku86, Lupus Ku autoantigen protein p86, Nuclear factor IV, Thyroid-lupus autoantigen, TLAA, X-ray repair complementing defective repair in Chinese hamster cells 5, double-strand-break rejoining, XRCC5, G22P2
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Human, Monkey

Applications

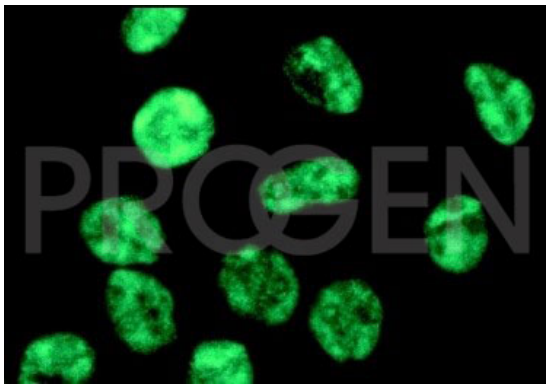
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

J15 recognizes an epitope within aa 490 to 707 of the 86 kDa subunit of Ku protein, involved in Pol II-directed transcription by virtue of its DNA binding activity, serving as the regulatory component of the DNA-associated protein kinase that phosphorylates Pol II and transcription factor Sp. Ku proteins also activate transcription from the U1 small nuclear RNA and the human transferrin receptor gene promoters. It serves as autoantigen in patients with rheumatic diseases.

Positive control: A431, HeLa cells.

Product images



FITC with human A431 cells