

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human KAP1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 821912
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human KAP1 Lys266-Ser624 Accession # Q13263
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.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

KAP1 (KRAB-interacting protein 1; gene name TRIM28), also called TIF1b (transcription intermediary factor 1b) is an approximately 100 kDa nuclear corepressor that is a member of the TRIM (tripartite motif-containing) family. It is reported to bind both IRF7 and the SUMO enzyme and cause increased SUMOylation of IRF7. The 834 amino acid (aa) mature protein contains four zinc finger regions and a leucine zipper domain. A 752 aa human splice variant lacking aa 114-195 has been reported. Within the region used as an immunogen, human KAP1 shares 94% aa sequence identity with mouse and rat KAP1.

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