

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human JAB1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 687409
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human JAB1 Asn158-Ser334 Accession # Q92905
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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

JAB1 (Jun activation domain binding protein-1), also called COPS5 or CSN5 (COP9 signalosome-5), is a 334 amino acid (aa), 38 kDa protein that is a subunit of the COP9 signalosome complex. It mediates cytosolic translocation of the cell cycle inhibitory protein, CDKN1B/p27Kip1, for degradation, thus promoting proliferation. It is widely expressed, especially in proliferating cells and up-regulates granulopoiesis when overexpressed. Within the region used as an immunogen, human JAB1 shares 99% aa identity with mouse and rat JAB1. A 379 aa isoform contains 93 alternate aa in place of the N-terminal 48 aa of the 334 aa form.

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