

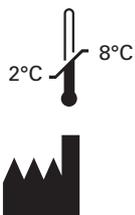
Kreatech™ FISH probes

Product Information Sheet

KBI-30505

Rab9b (XqF1) / WC Y Mouse probe

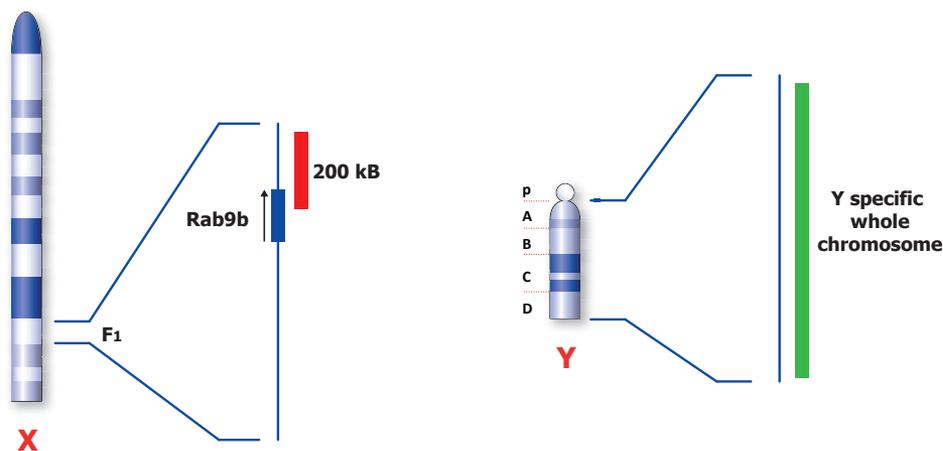
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Not to scale

Kreatech™ Rab9b (XqF1) / WC Y Mouse FISH probe

Intended use: The **Rab9b (XqF1) / WC Y** mouse specific FISH probe is optimized to detect mouse chromosomes Y and X in a dual-color assay suited for mouse metaphase/interphase spreads, mouse blood smears and mouse bone marrow cells.

The probe is recommended to be used in combination with one of the Kreatech Pretreatment kits providing necessary reagents to perform FISH on various sample types for optimal results. (see also www.LeicaBiosystems.com and look for Kits & reagents)

Critical region 1 (red): The **Rab9b (XqF1)** specific mouse FISH probe is direct-labeled with PlatinumBright™550
Critical region 2 (green): The **WC Y** specific mouse FISH probe is direct-labeled with PlatinumBright™495.

Reagent: Kreatech probes are direct-labeled DNA probes provided in a ready-to-use format. Apply 10 µl of probe to a sample area of approximately 22 x 22 mm.

Please refer to the Instructions for Use for the entire Kreatech FISH protocol.

Kreatech FISH probes are REPEAT-FREE™ and therefore do not contain Cot-1 DNA. Hybridization efficiency is increased and background, due to unspecific binding, is highly reduced.

Interpretation: The **Rab9b (XqF1) / WC Y** mouse FISH probe is designed as a dual-color assay to detect the mouse chromosomes Y and X. One single color red (R) and, one single color green (G) will identify the normal mouse chromosomes X and Y in a male, while two red signals will identify the normal mouse chromosomes X in a female. The signal for chromosome Y appears as a colored area (like a paint) in interphase nuclei.

Signal patterns other than those described above may indicate amplifications, deletions of mouse chromosome X and/or Y or other complex rearrangements.

References: Barchi et al, 2005, Mol Cell Biol, 25, 7203-7215
Bishop et al, 1987, Nucleic Acids Res, 15, 2959-2969

Warning and precautions: In case of emergencies check SDS sheets for medical advice. SDS sheets may be obtained by either contacting Leica Technical Support or visiting www.LeicaBiosystems.com. DNA probes contain formamide which is a teratogen; do not inhale or allow skin contact. Wear gloves and a lab coat when handling DNA probes. All materials should be disposed of according to your institution's guidelines for hospital waste disposal.

Reagent Storage and Handling: Store at 2-8 °C. Reagents should not be used after the expiration date on the vial label.

TECHNICAL SUPPORT Technical support is available at www.LeicaBiosystems.com or +31 20 6919181 or via e-mail: kreatech-support@leicabiosystems.com.

CUSTOMER SERVICE Kreatech probes may be ordered through Leica Customer Service +31 20 6919181 or order via e-mail: purchase.orders@leica-microsystems.com.