Human CROCC Alexa Fluor® 488-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2734A
Catalog Number: FAB11335G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Human Phospho-CROCC in direct ELISA
Source	Monoclonal Rabbit IgG Clone # 2734A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Phosphopeptide containing the human CROCC S site 1476 Accession # Q5TZA2
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

Human CROCC (also known as Rootletin) is a large coiled-coil protein that is primarily expressed in ciliated cells and plays a critical role in the organization and maintenance of the ciliary structure. Cilia are hair-like structures that protrude from the surface of many eukaryotic cells and are involved in a variety of cellular functions, including motility and signaling.CROCC is essential for forming and maintaining the rootlet and has been shown to interact with other centrosomal and ciliary proteins, such as PCM-1, C-Nap1, and CEP68. CROCC has also been shown to interact with microtubules, suggesting that it may play a role in regulating microtubule dynamics. CROCC can be Phosphorylated by NEK2 which may regulate its association with centrosomes. This antibody detects CROCC phosphorylated at Ser1476. Two alternatively spliced isoforms have been reported.

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