**KIF2C (2488C3a): sc-81305**

**BACKGROUND**

Kinesin family member 2c (KIF2C), alternately known as mitotic centromere-associated kinesin (MCAK), is a member of the kinesin-like family of proteins. KIF2C is a cytoplasmic and nuclear protein, present throughout the cell cycle. KIF2C associates with the centromere early in prophase, and disassociates after telophase. KIF2C is abundant in thymus and testis, and present at lower levels in small intestine, the mucosal lining of the colon, and placenta. Human KIF2C maps to chromosome 1p34.1.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: KIF2C (human) mapping to 1p34.1.

**SOURCE**

KIF2C (2488C3a) is a mouse monoclonal antibody raised against a recombinant protein corresponding to a region near the N-terminus of KIF2C of human origin.

**PRODUCT**

Each vial contains 100 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 1.0% stabilizer protein.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**APPLICATIONS**

KIF2C (2488C3a) is recommended for detection of KIF2C of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein [1 ml of cell lysate]), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10^6 cells).

Suitable for use as control antibody for KIF2C siRNA (h): sc-105596, KIF2C shRNA Plasmid (h): sc-105596-SH and KIF2C shRNA (h) Lentiviral Particles: sc-105596-V.

Molecular Weight of KIF2C isoforms: 75/81 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, K-562 whole cell lysate: sc-2203 or Ramos cell lysate: sc-2216.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:


**DATA**

![KIF2C Western blot analysis](image-url)

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.