Anti-KIF22 antibody

Cat. No.	ml261831
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-KIF22 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human KIF22
Reactivity	Human
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	KIF22
Full name	kinesin family member 22

Synonyms	KID; OBP; KNSL4; OBP-1; OBP-2; SEMDJL2; A-328A3.2
Swissprot	Q14807

Target Background

The protein encoded by this gene is a member of the kinesin-like protein family. The family members are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. The C-terminal half of this protein has been shown to bind DNA. Studies with the Xenopus homolog suggests its essential role in metaphase chromosome alignment and maintenance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
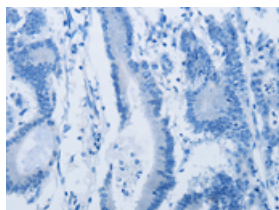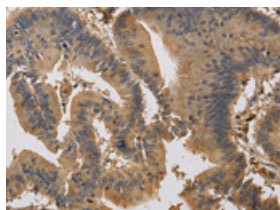
Applications

Immunohistochemistry

Predicted cell location: Nucleus and Cytoplasm

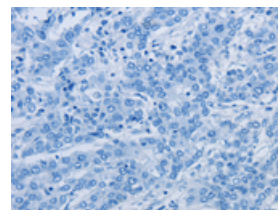Positive control: Human colon cancer
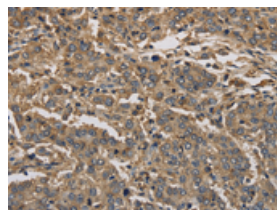
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml261831(KIF22 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Nucleus and Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml261831(KIF22 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:73 kDa

Positive control:A431, MCF-7 and Hela cells

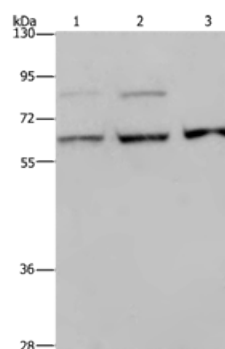Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

Lysate: 40 μg

Lane 1-3: A431 cells, MCF7 cells, Hela cells

Primary antibody: ml261831(KIF22 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 minutes

ELISA

Recommended dilution: 1000-2000