

## KID Monoclonal Antibody

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| <b>Catalog No :</b>          | YM0395   |
| <b>Reactivity :</b>          | Human  |
| <b>Applications :</b>        | WB;IHC;IF;FCM;ELISA  |
| <b>Target :</b>              | KID  |
| <b>Fields :</b>              | >>Progesterone-mediated oocyte maturation  |
| <b>Gene Name :</b>           | KIF22  |
| <b>Protein Name :</b>        | Kinesin-like protein KIF22   |
| <b>Human Gene Id :</b>       | 3835   |
| <b>Human Swiss Prot No :</b> | Q14807   |
| <b>Mouse Swiss Prot No :</b> | Q3V300   |
| <b>Immunogen :</b>           | Purified recombinant fragment of human KID expressed in E. Coli.                                   |
| <b>Specificity :</b>         | KID Monoclonal Antibody detects endogenous levels of KID protein.                                  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                            |
| <b>Source :</b>              | Monoclonal, Mouse  |
| <b>Dilution :</b>            | WB 1:500 - 1:2000. IHC 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000.. IF 1:50-200 |
| <b>Purification :</b>        | Affinity purification  |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Molecularweight :</b>     | 73kD   |

**P References :** 1. Cell. 2008 Mar 7;132(5):771-82.  
2. Retrovirology. 2009 May 19;6:47.

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**Background :** kinesin family member 22(KIF22) Homo sapiens 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. [provided by RefSeq, Jan 2012],

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**Function :** function:Kinesin family that is involved in spindle formation and the movements of chromosomes during mitosis and meiosis. Binds to microtubules and to DNA.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation.,similarity:Belongs to the kinesin-like protein family.,similarity:Contains 1 kinesin-motor domain.,subunit:Interacts with FAM83D.,

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**Subcellular Location :** Nucleus . Cytoplasm, cytoskeleton .

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**Expression :** Expressed in bone, cartilage, joint capsule, ligament, skin, and primary cultured chondrocytes.

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**Sort :** 8909

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**No4 :** 1

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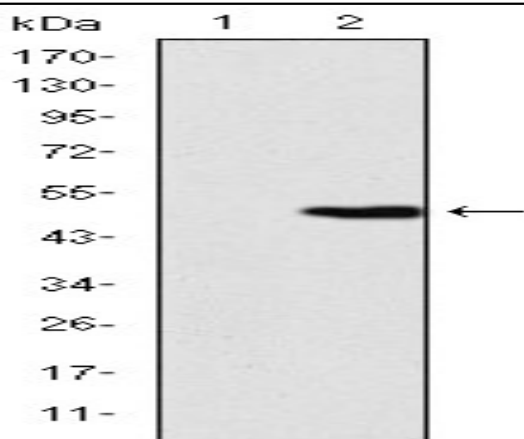
**Host :** Mouse

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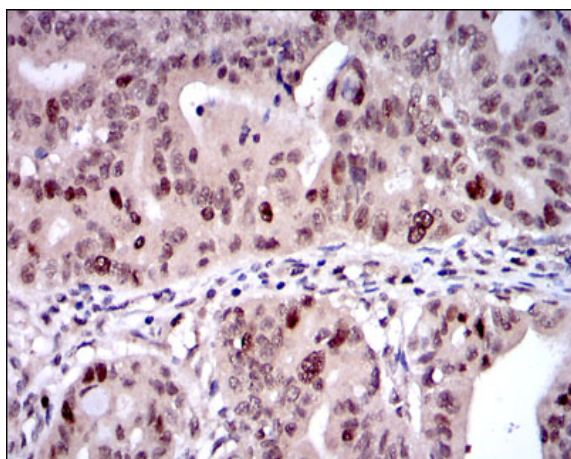
**Modifications :** Unmodified

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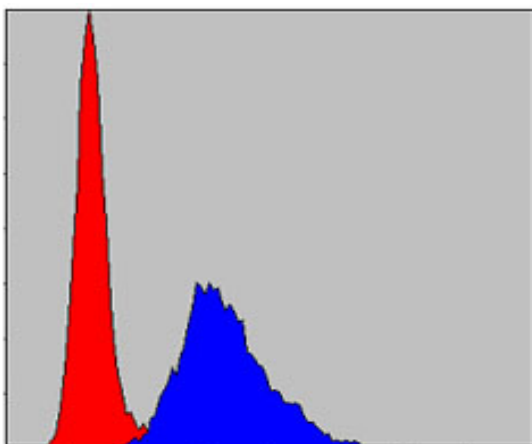
**Products Images**



Western Blot analysis using KID Monoclonal Antibody against HEK293 (1) and KID-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded rectum cancer tissues with DAB staining using KID Monoclonal Antibody.



Flow cytometric analysis of NIH/3T3 cells using KID Monoclonal Antibody (blue) and negative control (red).

