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FANCC Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FANCC.

Catalog # AT1996a

Specification

FANCC Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB**
Primary Accession	Q00597
Other Accession	NM_000136
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**63429**

FANCC Antibody (monoclonal) (M01) - Additional Information

Gene ID 2176

Other Names
Fanconi anemia group C protein, Protein FACC, FANCC, FAC, FACC

Target/Specificity
FANCC (NP_000127, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
FANCC Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

FANCC Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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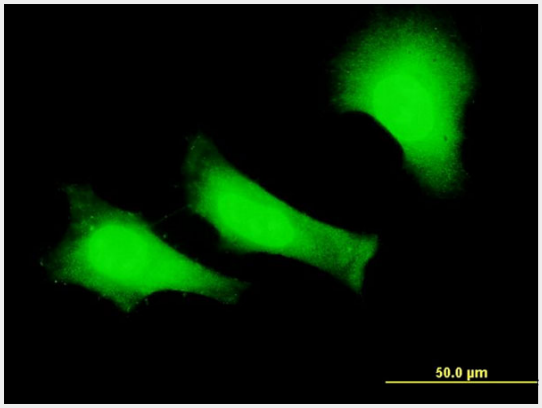
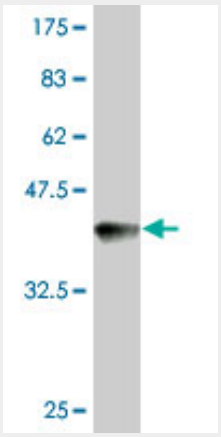
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

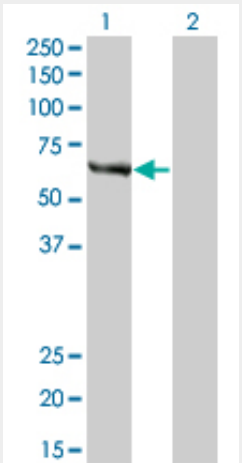
FANCC Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to FANCC on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of FANCC expression in transfected 293T cell line by FANCC monoclonal

antibody (M01), clone 6E7.

Lane 1: FANCC transfected lysate(63.4 KDa).
Lane 2: Non-transfected lysate.

FANCC Antibody (monoclonal) (M01) - Background

The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCJ (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCH is the same as FANCA. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. The members of the Fanconi anemia complementation group do not share sequence similarity; they are related by their assembly into a common nuclear protein complex. This gene encodes the protein for complementation group C.

FANCC Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Ku70 corrupts DNA repair in the absence of the Fanconi anemia pathway. Pace P, et al. Science, 2010 Jul 9. PMID 20538911.Genetic inactivation of the Fanconi anemia gene FANCC identified in the hepatocellular carcinoma cell line HuH-7 confers sensitivity towards DNA-interstrand crosslinking agents. Palagyi A, et al. Mol Cancer, 2010 May 28. PMID 20509860.Comprehensive screen of genetic variation in DNA repair pathway genes and postmenopausal breast cancer risk. Monsees GM, et al. Breast Cancer Res Treat, 2010 May 23. PMID 20496165.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.