FANCM Rabbit pAb

CatalogNo: YN0712

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,ELISA

MW
- 225kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from part region of human protein. AA 440-490
Specificity	FANCM Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	FANCM KIAA1596

Protein Name	Fanconi anemia group M protein (Protein FACM) (ATP-dependent RNA helicase FANCM) (Fanconi anemia-associated polypeptide of 250 kDa) (FAAP250) (Protein Hef ortholog)

Organism	Gene ID	UniProt ID
Human	57697;	Q8IYD8;
Mouse		Q8BGE5;

Cellular Localization	Nucleus .
Tissue specificity	Expressed in germ cells of fetal and adult ovaries. In fetal ovaries, it is present in oogonia but expression is stronger in pachytene stage oocytes. Expressed in oocytes arrested at the diplotene stage of prophase I during the last trimester of pregnancy and in adults (PubMed:29231814). Expressed in the testis (PubMed:30075111).
Function	Disease:Defects in FANCM are a cause of Fanconi anemia (FA) [MIM:227650]. FA is a genetically heterogeneous, autosomal recessive disorder characterized by progressive pancytopenia, a diverse assortment of congenital malformations, and a predisposition to the development of malignancies. At the cellular level it is associated with hypersensitivity to DNA-damaging agents, chromosomal instability (increased chromosome breakage), and defective DNA repair.,Function:ATPase required for FANCD2 ubiquitination, a key reaction in DNA repair. Binds to ssDNA but not to dsDNA.,PTM:Phosphorylated; hyperphosphorylated in response to genotoxic stress.,sequence Caution:Intron retention.,similarity:Belongs to the DEAD box helicase family. DEAH subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subunit:Belongs to the multisubunit FA complex composed of FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9, FANCM and FAAP24. The complex is not found in FA patients. Interacts with FAAP24. Interacts with EME1.,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
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