

Recombinant Anti-FAM175A Rabbit mAb

Catalog # AP95377

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	Q6UWZ7
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	46663

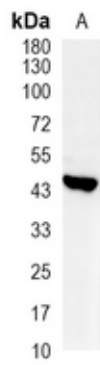
Additional Information

Gene ID	84142
Other Names	ABRA1; CCDC98; BRCA1-A complex subunit Abraxas; Coiled-coil domain-containing protein 98; Protein FAM175A
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human FAM175A protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

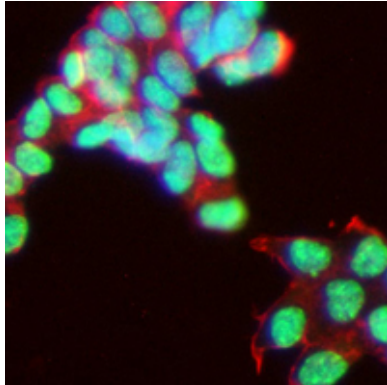
Protein Information

Name	ABRAXAS1 (HGNC:25829)
Function	Involved in DNA damage response and double-strand break (DSB) repair. Component of the BRCA1-A complex, acting as a central scaffold protein that assembles the various components of the complex and mediates the recruitment of BRCA1. The BRCA1-A complex specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesion sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at DSBs. This complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX.
Cellular Location	Nucleus Note=Localizes at sites of DNA damage at double-strand breaks (DSBs)

Images



Western blot analysis of FAM175A expression in MCF7 (A) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 47 kD)



Immunofluorescent analysis of FAM175A staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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