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**Product Name: BRAT1 Rabbit Monoclonal Antibody****Catalog #: AMRe85358**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC 1:50-1:200,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 88 kDa; Observed MW: 88 kDa

**Antigen Information**

<b>Gene Name</b>	BRAT1
<b>Alternative Names</b>	BRCA1-associated ATM activator 1; BRCA1-associated protein required for ATM activation protein 1
<b>Gene ID</b>	221927.0
<b>SwissProt ID</b>	Q6PJG6
<b>Immunogen</b>	Recombinant protein of human BRAT1

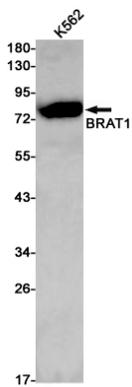
**Background**

Involved in DNA damage response; activates kinases ATM, SMC1A and PRKDC by modulating their phosphorylation status following ionizing radiation (IR) stress (PubMed:16452482, PubMed:22977523). Plays a role in regulating mitochondrial

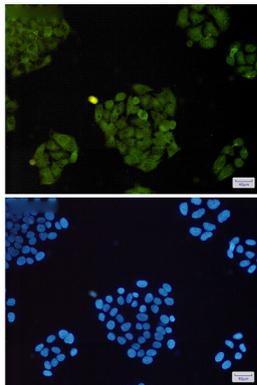
function and cell proliferation (PubMed:25070371). Required for protein stability of MTOR and MTOR-related proteins, and cell cycle progress by growth factors (PubMed:25657994).

## Research Area

## Image Data



Western blot analysis of BRAT1 in K562 lysates using BRAT1 antibody.



Immunocytochemistry analysis of BRAT1(green) in HeLa using BRAT1 antibody, and DAPI(blue)