



Rabbit Anti-ABC2 antibody

SL6515R

Product Name:	ABC2
Chinese Name:	乳腺癌增强蛋白2抗体
Alias:	ABC 2; ABC2; ABC-2; Amplified in breast cancer gene 2 protein; Chromosome 17 open reading; chromosome 17 open reading frame 71; Protein smg 8 homolog; protein SMG8; SMG8; SMG8 protein; SMG8 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	110kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ABC2/C17orf71:721-820/991
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	C17orf71 belongs to the UPF0487 family. There are 3 isoforms produced by alternative splicing.Positive control;Human Anaplastic Thyroid Carcinoma, Human Breast Carcinoma. Function:

Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Is recruited by release factors to stalled ribosomes together with SMG1 and SMG9 (forming the SMG1C protein kinase complex) and, in the SMG1C complex, is required to mediate the recruitment of SMG1 to the ribosome:SURF complex and to suppress SMG1 kinase activity until the ribosome:SURF complex locates the exon junction complex (EJC). Acts as a regulator of kinase activity.

Subunit:

Component of the SMG1C complex composed of SMG1, SMG8 and SMG9; the recruitment of SMG8 to SMG1 N-terminus induces a large conformational change in the SMG1 C-terminal head domain containing the catalytic domain. Forms heterodimers with SMG9; this assembly form may represent a SMG1C intermediate form.

Subcellular Location:

Phosphorylated by SMG1

Post-translational modifications:

Phosphorylated by SMG1.

Similarity:

Belongs to the SMG8 family.

SWISS:

Q8ND04

Gene ID:

55181

Database links:

[Entrez Gene: 55181](#)Human

[Oimim: 613175](#)Human

[SwissProt: Q8ND04](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.