



Rabbit Anti-EMSY antibody

SL13069R

Product Name:	EMSY
Chinese Name:	EMSY蛋白抗体
Alias:	C11orf30; Chromosome 11 open reading frame 30; EMSY protein; FLJ90741; GL002; Protein EMSY; EMSY HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	141kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EMSY:721-820/1322
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:	EMSY binds BRCA2 within a region (exon 3) deleted in cancer. EMSY is capable of silencing the activation potential of BRCA2 exon 3, associates with chromatin regulators HP1 and BS69, and localizes to sites of repair following DNA damage. Its levels are amplified in breast and ovarian cancer.
	Function:

Regulator which is able to repress transcription, possibly via its interaction with a multiprotein chromatin remodeling complex that modifies the chromatin. Its interaction with BRCA2 suggests that it may play a central role in the DNA repair function of BRCA2.

Subunit:

Homodimer. Interacts with the transactivation domain of BRCA2. Interacts with the chromoshadow domain of CBX1 and with ZMYND11. Does not interact with CBX3 or CBX5.

Subcellular Location:

Nuclear. Localizes to DNA damage markers in irradiated cells; suggesting that it participates in the DNA repair process.

Similarity:

Contains 1 ENT (EMSY N-terminal) domain.

SWISS:

Q7Z589

Gene ID:

56946

Database links:

[Entrez Gene: 56946](#)Human

[Entrez Gene: 233545](#)Mouse

[Omim: 608574](#)Human

[SwissProt: Q7Z589](#)Human

[SwissProt: Q8BMB0](#)Mouse

[Unigene: 352588](#)Human

[Unigene: 387819](#)Mouse

Important Note:

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