

Rabbit Anti-CRMP5 /AF647 Conjugated antibody

SL23954R-AF647

Product Name	Anti-CRMP5 /AF647
Chinese Name	AF647 标记的二氢嘧啶酶相关蛋白 5 抗体
Alias	Collapsin response mediator protein 5; CRAM; CRMP 3 associated molecule; CRMP 5; CRMP3 associated molecule; Dihydropyrimidinase like 5; Dihydropyrimidinase related protein 5; DPYS L5; DPYSL 5; DPYSL5; DRP 5; DRP5; FLJ45383; Ulip 6; Ulip6; ULIP6 protein.
Research Area	Tumour Cell biology immunology Neurobiology Cell type markers
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	65kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CRMP5
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4.
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: The collapsin response mediator protein (CRMP) family of proteins (also referred to as ULIP6) are a group of neurologic proteins that have been found to play key roles in growth cone guidance during neural development. CRMP5

has relatively low sequence homology with the other four members of the CRMP family. CRMP5 is expressed in the developing nervous system in an expression pattern that resembles CRMP2 and has a peak expression during the first postnatal week. Elevated levels of autoantibody to CRMP5 have been shown to be linked paraneoplastic autoimmune optic neuritis and other paraneoplastic neoplasms. Auto-immunity against CRMP5 expression (predominantly the N-terminal epitopes) is also being investigated as an oncological marker in the respiratory system and in the thymus.

Subunit:

Homotetramer, and heterotetramer with other DPYS-like proteins. Interacts with DPYSL2, DPYSL3 and DPYSL4.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the DHOase family. Hydantoinase/dihydropyrimidinase subfamily.

Database links:

[Entrez Gene: 56896](#) Human

[Entrez Gene: 65254](#) Mouse

[Entrez Gene: 100910964](#) Rat

[Entrez Gene: 65208](#) Rat

[Omim: 608383](#) Human

[SwissProt: Q9BPU6](#) Human

[SwissProt: Q9EQF6](#) Mouse

[SwissProt: Q9JHU0](#) Rat

[Unigene: 299315](#) Human

[Unigene: 27732](#) Mouse

[Unigene: 44871](#) Rat

Important Note:

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human, therapeutic or diagnostic applications.