



Rabbit Anti-KY antibody

SL11174R

Product Name:	KY
Chinese Name:	脊柱侧后凸畸形肽酶抗体
Alias:	KY; KY HUMAN; Kyphoscoliosis peptidase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,
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:	75kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse Kyphoscoliosis peptidase:51-150/661
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:	KY peptidase (Kyphoscoliosis peptidase) is a 561 amino acid cytoskeleton protease that interacts with several sarcomeric cytoskeletal proteins, including Filamin 2. KY peptidase probably plays a role in the maturation, function and stabilization of the neuromuscular junction. KY-null mouse mutants exhibit distinct irregular subcellular Filamin 2 localization, suggesting that KY peptidase deficiency may be the cause of several types of limb-girdle muscular dystrophies.

Function:

Probable cytoskeleton-associated protease required for normal muscle growth. Involved in function, maturation and stabilization of the neuromuscular junction. May act by cleaving muscle-specific proteins such as FLNC.

Subunit:

Interacts with IGFN1 and FLNC.

Subcellular Location:

Cytoplasm

Tissue Specificity:

Specifically expressed in skeletal and cardiac muscle.

Similarity:

Belongs to the transglutaminase-like superfamily.

SWISS:

Q8NBH2

Gene ID:

339855

Database links:

[Entrez Gene: 339855](#) Human

[Entrez Gene: 16716](#) Mouse

[Omim: 605739](#) Human

[SwissProt: Q8NBH2](#) Human

[SwissProt: Q8C8H8](#) Mouse

[Unigene: 146730](#) Human

Important Note:

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