

## 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.

**Research Area** Developmental biology Neurobiology Cell adhesion molecule

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, Dog, Pig, )  
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA  
(Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 75kDa

**Cellular localization** cytoplasmic

**Form** 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

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

**PubMed** [PubMed](#)

**Product Detail** KY peptidase (Kyphoscoliosis peptidase) is a 561 amino acid cytoskeleton protease that interact sarcomeric cytoskeletal proteins, including Filamin 2. KY peptidase probably plays a role in the

function and stabilization of the neuromuscular junction. KY-null mouse mutants exhibit distinct subcellular Filamin 2 localization, suggesting that KY peptidase deficiency may be the cause of limb-girdle muscular dystrophies.

**Function:**

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

**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