

**KY Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54414****Specification**

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**KY Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q8NBH2</a>
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Kyphoscoliosis peptidase
Epitope Specificity	51-150/661
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm
SIMILARITY	Belongs to the transglutaminase-like superfamily.
SUBUNIT	Interacts with IGFN1 and FLNC.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

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.

**KY Polyclonal Antibody - Additional Information****Gene ID** 339855**Other Names**

Kyphoscoliosis peptidase, 3.4.-.-, KY (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=26576" target="\_blank">HGNC:26576</a>)

**Target/Specificity**

Specifically expressed in skeletal and cardiac muscle.

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Storage**

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

**KY Polyclonal Antibody - Protein Information**

**Name** KY ([HGNC:26576](#))

**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 (By similarity).

**Cellular Location**

Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line

**Tissue Location**

Highly expressed in skeletal muscle.

**KY Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**KY Polyclonal Antibody - Images**