

KY Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54414

Specification

KY Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession 08NBH2 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

51-150/661 **Epitope Specificity** laG

Isotype **Purity** 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 subceullular 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)

Target/Specificity

Specifically expressed in skeletal and cardiac muscle.

Dilution



WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

KY Polyclonal Antibody - Protein Information

Name KY (<u>HGNC:26576</u>)

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 Cytomety
- Cell Culture

KY Polyclonal Antibody - Images