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Rabbit Anti-ILKAP antibody

SL16605R

Product Name:	ILKAP
Chinese Name:	整合素连接激酶相关丝氨酸/苏氨酸磷酸酶抗体
Alias:	DKFZp434J2031; FLJ10181; ILKAP; ILKAP_HUMAN; ILKAP2; ILKAP3; Integrin linked kinase associated phosphatase; Integrin linked kinase associated serine/threonine phosphatase 2C; Integrin linked kinase associated serine/threonine phosphatase; Integrin-linked kinase-associated serine/threonine phosphatase 2C; MGC4846; PP2C DELTA; Protein phosphatase 2c delta isozyme.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,
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:	43kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ILKAP:201-300/392
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:	ILKAP belongs to the PP2C family and contains one PP2C-like domain. ILKAP has been suggested to inhibit oncogenic transformation and the ILK-GSK3beta signaling axis, and can bind two magnesium or manganese ions per subunit as cofactors. The

gene encoding ILKAP maps to human chromosome 2, which consists of 237 million bases encoding over 1,400 genes and making up approximately 8% of the human genome.

Function:
Protein phosphatase that may play a role in regulation of cell cycle progression via dephosphorylation of its substrates whose appropriate phosphorylation states might be crucial for cell proliferation. Selectively associates with integrin linked kinase (ILK), to modulate cell adhesion and growth factor signaling. Inhibits the ILK-GSK3B signaling axis and may play an important role in inhibiting oncogenic transformation.

Subcellular Location:
Cytoplasm.

Tissue Specificity:
Widely expressed. Highest levels expressed in striated muscle. Much lower levels evident in various smooth muscle tissues.

Similarity:
Belongs to the PP2C family.
Contains 1 PP2C-like domain.

SWISS:
Q9H0C8

Gene ID:
80895

Database links:

Entrez Gene: 80895 Human

Entrez Gene: 67444 Mouse

Entrez Gene: 64538 Rat

GenBank: NM_030768 Human

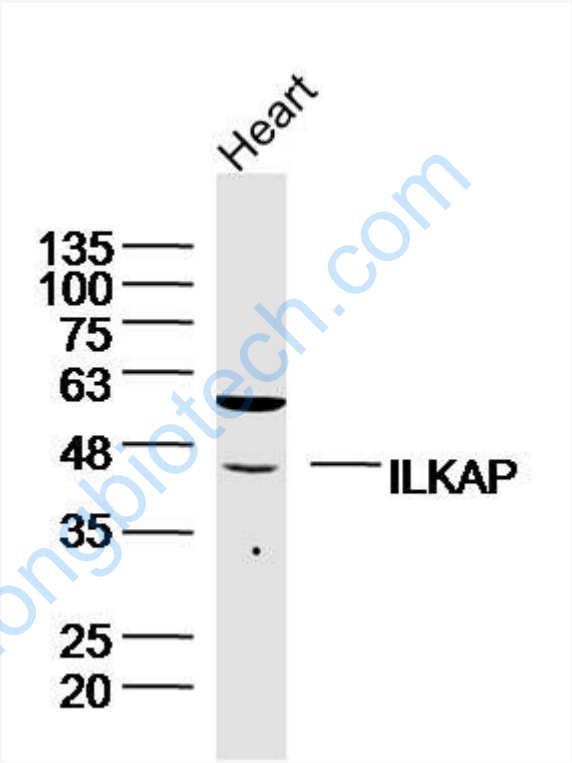
SwissProt: Q9H0C8 Human

SwissProt: Q8R0F6 Mouse

SwissProt: Q9Z1Z6 Rat

Unigene: 92033 Human

Unigene: 337240 Mouse

	Unigene: 6446 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- ILKAP (SL16605R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43kD Observed band size: 43kD