

Product datasheet for **AP13652PU-N**

Ilk (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Flow cytometry.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ILK2/ILK1.
Specificity:	This antibody reacts to ILK2/ILK1.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin linked kinase
Database Link:	Entrez Gene 3611 Human Entrez Gene 16202 Mouse O55222



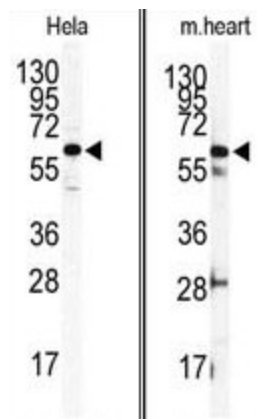
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Background:

Transduction of extracellular matrix signals through integrins influences intracellular and extracellular functions, and appears to require interaction of integrin cytoplasmic domains with cellular proteins. Integrin-linked kinase (ILK) is an ankyrin repeat containing 51 kDa receptor-proximate serine-threonine kinase (1), with a reported migration rate of 59K. This 451 amino acid protein interacts with the cytoplasmic domain of the beta-1 integrin subunit and contains sequence motifs found in pleckstrin homology domains capable of interacting with phosphoinositide lipids. ILK is an upstream regulator of Pi(3)K dependant activation of protein kinase B (PKB/AKT) and inhibition of glycogen synthase kinase 3 (GSK-3). ILK2 expression is associated with mediation of cell architecture, adhesion to integrin substrates and anchorage-dependent growth in epithelial cells. ILK2 is overexpressed in some highly invasive tumor cell lines.

Synonyms:

ILK-1, ILK-2, p59ILK, ILK, ILK1, ILK2

Product images:

(LEFT) Western blot analysis of anti-ILK2/ILK1 Antibody (C-term) in HeLa cell line lysates (35ug/lane). ILK2 (arrow) was detected using the purified Pab. (RIGHT) Western blot analysis of anti-ILK2/ILK1 Antibody (C-term) in mouse heart tissue lysates (35ug/lane). ILK2 (arrow) was detected using the purified Pab.