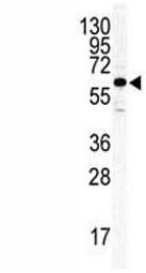
ILK2/ILK1 Antibody (F40141)

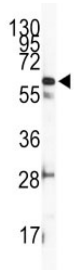
Catalog No.	Formulation	Size
F40141-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40141-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat, Bovine
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q13418
Applications	Western Blot : 1:1000
Limitations	This ILK2/ILK1 antibody is available for research use only.



Western blot analysis of ILK2/ILK1 antibody and HeLa lysate.



Western blot analysis of anti-ILK2/ILK1 antibody and mouse heart tissue lysate

Description

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.

Application Notes

Titration of the ILK2/ILK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 391-421 from the human protein was used as the immunogen for this ILK2/ILK1 antibody.

Storage

Aliquot the ILK2/ILK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.