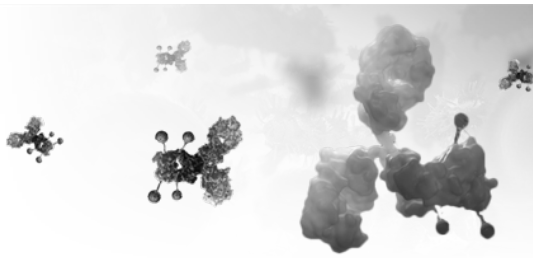

Rabbit Anti-ILK monoclonal antibody, clone TD79-15 (CABT-L713)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Integrin linked ILK
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD79-15
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC, IP, FC
Molecular Weight	51 kDa
Cellular Localization	Cell junction, Cell membrane, Cytoplasm.
Positive Control	NIH/3T3, SH-SY-5Y, Hela, rat brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Integrins are heterodimers composed of non-covalently associated transmembrane a and b subunits. The 16 a and 8 b subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind to ligands that are components of the extracellular matrix. Certain integrins can also bind to soluble ligands such as Fibrinogen, or to counterreceptors on adjacent cells, such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis. ILK (integrin-linked kinase) was identified as a serine/threonine kinase that phosphorylates b1 and b3 integrins. ILK expression has been shown to be reduced in response to Fibronectin, a known integrin ligand. Overexpression of ILK was shown to upregulate the Fibronectin matrix assembly in epithelial cells, indicating a potential role for ILK in cell growth, cell survival and tumorigenesis.
Keywords	59 kDa serine/threonine protein kinase;59 kDa serine/threonine-protein kinase;DKFZp686F1765;Epididymis secretory protein Li 28;HEL S 28;ILK 1;ILK 2;ILK;ILK-1;ILK-2;ILK_HUMAN;ILK1;ILK2;Integrin linked kinase 2;Integrin linked Kinase;Integrin linked protein kinase;Integrin-linked protein kinase;p59;p59ILK antibody

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