



# Actin- $\kappa$ rabbit pAb

Cat No.:ES1596

For research use only

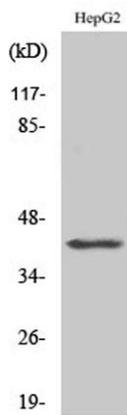
## Overview

<b>Product Name</b>	Actin- $\kappa$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ACTBL2. AA range:81-130
<b>Specificity</b>	Actin- $\kappa$ Polyclonal Antibody detects endogenous levels of Actin- $\kappa$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Beta-actin-like protein 2
<b>Gene Name</b>	ACTBL2
<b>Cellular localization</b>	Cytoplasm, cytoskeleton .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	40kD
<b>Human Gene ID</b>	345651
<b>Human Swiss-Prot Number</b>	Q562R1
<b>Alternative Names</b>	ACTBL2; Beta-actin-like protein 2; Kappa-actin
<b>Background</b>	function:Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.,miscellaneous:In vertebrates 3 main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the

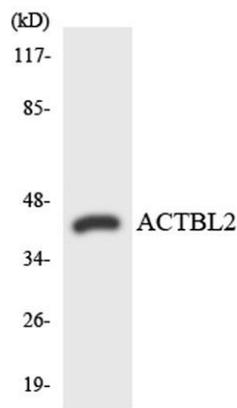




contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and as mediators of internal cell motility. similarity: Belongs to the actin family. subunit: Polymerization of globular actin (G-actin) leads to a structural filament (F-actin) in the form of a two-stranded helix. Each actin can bind to 4 others (By similarity). Interacts with PFN1 and PFDN1.



Western Blot analysis of various cells using Actin- $\kappa$  Polyclonal Antibody



Western blot analysis of the lysates from HUVEC cells using ACTBL2 antibody.

